Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

3/19/2012

Certified Mail

Facility ID: 0363000002
Permit Number: P0107002
County: Paulding

Benjamin Fogle
Lafarge North America - Paulding Plant
11435 County Road 176
P.O. Box 160
Paulding, OH 45879-0226

RE: FINAL AIR POLLUTION CONTROL TITLE V PERMIT
Permit Type: Minor Permit Modification

Dear Permit Holder:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this Title V permit is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 *Via E-Mail Notification*
Ohio EPA DAPC, Northwest District Office

Ohio | Environmental Protection Agency

FINAL

Division of Air Pollution Control
Title V Permit
for
Lafarge North America - Paulding Plant

Facility ID:	0363000002
Permit Number:	P0107002
Permit Type:	Minor Permit Modification
Issued:	3/19/2012
Effective:	3/19/2012
Expiration:	10/8/2014

Ohio Environmental Protection Agency

Division of Air Pollution Control
Title V Permit
for
Lafarge North America - Paulding Plant

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Authorization

Facility ID: 0363000002
Facility Description: Cement, Hydraulic
Application Number(s): A0040165, A0040815
Permit Number: P0107002
Permit Description: Minor permit modification of the Title V operating permit to add two insignificant emissions units that were recently issued a permit to install (emissions unit P028 and P029).
Permit Type: Minor Permit Modification
Issue Date: 3/19/2012
Effective Date: 3/19/2012
Expiration Date: 10/8/2014
Superseded Permit Number: P0087418

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Lafarge North America - Paulding Plant
11435 County Road 176
P.O. Box 160
Paulding, OH 45879-0226

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Northwest District Office. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive

measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the

insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Ohio EPA DAPC, Northwest District Office.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. ("Act"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

(Authority for term: OAC rule 3745-77-07(A)(5))

6. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

(Authority for term: OAC rule 3745-77-07(A)(6))

7. General Requirements

a) The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with Standard Term and Condition A.11 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the

Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; orthe permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; ora combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.

(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program 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, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

(1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c) The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

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

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. An identification of each term or condition of this permit that is the basis of the certification.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittent.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period.

e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-07(A)(1))

21. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping RequirementsUnder State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

25. Records Retention RequirementsUnder State Law Only

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

(Authority for term: OAC rule 3745-77-07(C))

27. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

(Authority for term: OAC rule 3745-77-01(C))

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

2. The following rule is applicable to this facility: 40 CFR 63.1340 et seq. (Subpart LLL)

   The permittee shall comply with the applicable emission limitation in 40 CFR 63.1347 and 63.1348 (10 percent opacity, as a 6-minute average)

   The following is the list of the emissions units at this facility that are subject to 40 CFR 63.1340 et seq. (Subpart LLL):

   a) each raw mill;

   b) each finish mill (including emissions units P007, P008, and P009);

   c) each raw material, clinker, or finished product storage bin (including emissions unit P901, P903, and P905);

   d) each conveying system transfer point including those associated with coal preparation used to convey coal from the mill to the kiln (including emissions units P025, P026, and P905, and F004 prior to the pug mill);

   e) each bagging and bulk loading and unloading system (including emissions units P001, P002, P003, P004, P005, P006, and P905); and

   f) the following specific emissions points or locations, as specified in the permittee's O & M plan:

      Process 9: Auxiliary System - Clinker Transfer
      EP2-6: Clinker truck loadout chute
      EP2-7: Clinker reclaim chute

      Process 9: Auxiliary - CKD Transfer
      EP7-1: CKD Tank #1 Baghouse Outlet
      EP7-2: CKD Tank #2, and Truck Loading, Baghouse Outlet (F004)
      EP4-5: East Dust Scoop Conveyance System Baghouse Outlet (P025)
      EP4-6: West Dust Scoop Conveyance System Baghouse Outlet (P026)
      EP 4-7: CKD Bin

      Process 3: Burning - Clinker Cooler
      E-P 4-2: Clinker elevator #1
      E-P 4-3: Clinker elevator #2
      E-P 4-8: Drag Line #1
      E-P 4-9: Drag Line #2
      E-P 4-10: Drag Line #3

      Process 4: Cement Grinding
      EP2-5: Gypsum Reclaim System
      EP5-1: Transfer to Air Separator #1, Cement Cooler #1, Cement Pumps (P007)

EP5-2: Transfer to Air Separator #2, Cement Cooler #2, Cement Pumps (P008)
EP5-3: Transfer to Air Separator #3, Cement Cooler #3, Cement Pumps (P009)
EP5-4: Discharge from Finish Mill #1, Air Separator #1 (P007)
EP5-5: Discharge from Finish Mill #2, Air Separator #2 (P008)
EP5-6: Discharge from Finish Mill #3, Air Separator #3 (P009)

Process 6: Fuels - Coal/Coke Handling
E-P 2-2: Coal/Coke Reclaim Conveyor System
E-P 2-2: Coal/Coke Storage Silo #1 and #2

Process 5: Packing and Shipping
EP6-1: Packhouse #1 Cement Silos (P001)
EP6-2: Packhouse #1 Cement Silos (P001)
EP6-3: Packhouse #2 Cement Silos (P002)
EP6-4: Packhouse #2 Cement Silos (P002)
EP6-5: Cement Packing Machine #1 (P003)
EP6-6: Cement Packing Machine #2, Packhouse #1 Bulk Loadout (P004, P005)
EP6-7: Packhouse #2 Bulk Loadout (P006)

Process 2: Raw Mix
EP2-8: Sand /Iron Truck Unloading Area (P901)
EP3-5: Other Raw Material Conveyor Belt Transfer - Partial Enc. (P901)
EP3-6: Other Raw Material Conveyor Belt Transfer - Partial Enc. (P901)
EP3-7: Rock Conveyor to Shuttle Conveyor Transfer - Total Enc. (P901)
EP3-8: Crossover Conveyor Transfer to ORM Day Bins (P903)
EP3-9: ORM /Limestone /Fly Ash /Clay Transfer to Raw Mill - Mill Building (P903)

(P905 - additions)
load-in, load-out, and wind erosion from uncalcined and precalcined material storage pile
hopper loading; and
material conveying.
[40 CFR 63.1340(b)]

3. The first affected source in the sequence of materials handling operations subject to Subpart LLL is the raw material storage, which is just prior to the raw mill. Any equipment of the on-site nonmetallic mineral processing plant which precedes the raw material storage is not subject to Subpart LLL. In addition, the primary and secondary crushers of the on-site nonmetallic mineral processing plant, regardless of whether they precede the raw material storage, are not subject to Subpart LLL. Furthermore, the first conveyor transfer point subject to Subpart LLL is the transfer point associated with the conveyor transferring material from the raw material storage to the raw mill.
[40 CFR 63.1340(c)]

4. In conjunction with B.2 and B.3, the permittee shall comply with the following monitoring and/or record keeping requirements:

   a) The permittee shall monitor opacity in accordance with the operation and maintenance (O & M) plan developed in accordance with the requirements below.

      The written O & M plan shall be developed and submitted as required in B.5.a), and shall 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 limit specified in B.2;

(2) corrective actions to be taken when required by B.4.c); and

(3) procedures to be used to periodically monitor the affected sources listed in B.3. Such procedures must include the provisions specified in B.4.b).

[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(a), (j)]

b) The permittee shall perform the following:

(1) Conduct a monthly 1-minute visible emissions test of each affected source in accordance with Method 22 of Appendix A of 40 CFR Part 60. The test shall be conducted while the affected source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for any affected source, the permittee may decrease the frequency of testing from monthly to semi-annually for that affected source. If visible emissions are observed during any semi-annual test, the permittee shall resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for any affected source, the permittee may decrease the frequency of testing from semi-annually to annually for that affected source. If visible emissions are observed during any annual test, the permittee shall resume testing of that affected source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee shall conduct a 6-minute test of opacity in accordance with Method 9, Appendix A of 40 CFR Part 60. The Method 9 test shall begin within one hour of any observation of visible emissions.

(5) The requirement to conduct Method 22 visible emissions monitoring pursuant to B.4.a) and B.4.b) shall not apply to any totally enclosed conveying system transfer point, regardless of the location of the transfer point. [“Totally enclosed conveying system transfer point” shall mean a conveying system transfer point that is enclosed on all sides, top, and bottom.] The enclosures for these transfer points shall be operated and maintained as total enclosures on a continuing basis in accordance with the facility operations and maintenance plan.

(6) If any partially enclosed or unenclosed conveying system transfer point is located in a building, the permittee shall have the option to conduct a Method 22 visible emissions monitoring according to the requirements in B.4.b)(1) through B.4.b)(4) for each such conveying system transfer point located within the building, or for the building itself [according to B.4.b)(7)]. *

(7) If visible emissions from the building are monitored, the requirements of B.4.b)(1) through B.4.b)(4) shall apply to the monitoring of the building, and the permittee shall also test for visible emissions from each side, roof and vent of the building for at least 1 minute. The test shall be conducted under normal operating conditions.

* The raw mill is a 'wet' process at this facility, and as such was never previously designated as an emissions unit. The raw mill and other associated affected sources (e.g. conveying system transfer points) are in a building. Pursuant to 40 CFR 63.1350(a)(4)(vii), the permittee may monitor this raw mill building in accordance with B.4.b)(6) and B.4.b)(7).
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(a)]

c) The permittee shall monitor the raw mills and finish mills for opacity by conducting daily visual emissions observations of the mill sweep and air separator baghouses of these affected sources in accordance with the procedures of Method 22, Appendix A of 40 CFR Part 60. The Method 22 test shall be conducted while the affected source is operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee shall:

(1) initiate, within one-hour, the corrective actions specified in the O & M plan; and

(2) within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a follow-up Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the follow-up Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9, Appendix A of 40 CFR Part 60. The duration of the Method 9 test shall be 30 minutes.

[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(e)]

d) The permittee may submit an application to the Director for approval of alternate monitoring requirements to demonstrate compliance with the emission standards of Subpart LLL provided that the alternate monitoring complies with the requirements of B.4.e) through B.4.i).

If the application to use alternate monitoring requirements is approved, the permittee shall continue to use the original monitoring requirements until approval is received to use the alternate monitoring requirements.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(l)]

e) The Director will not approve averaging periods other than those specified in B.4, unless the permittee documents, using data or information, that the longer averaging period will ensure that emissions do not exceed levels achieved during the performance test over any increment of time equivalent to the time required to conduct three runs of the performance test.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(l)(1)]

f) The permittee shall submit the application for approval of alternate monitoring requirements no later than date of the notification of the performance test. The application shall contain the following information:

(1) data or information justifying the request, such as the technical or economic infeasibility, or the impracticality of using the required approach;

(2) a description of the proposed alternative monitoring requirements, including the operating parameters to be monitored, the monitoring approach and technique, the averaging period for the limit, and how the limit is to be calculated; and

(3) data or information documenting that the alternative monitoring requirements would provide equivalent or better assurance of compliance with the relevant emission standard.

[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(l)(3)]

g) The Director will notify the permittee of the approval or denial of the application within 90 calendar days after receipt of the original request, or within 60 calendar days of the receipt of any supplementary information, whichever is later. The Director will not approve an alternate monitoring application unless it would provide equivalent or better assurance of compliance with the relevant emission standard. Before disapproving any alternate monitoring application, the Director will provide:

(1) notice of the information and findings upon which the intended disapproval is based; and

(2) notice of opportunity for the permittee to present additional supporting information before final action is taken on the application. This notice will specify how much additional time is allowed for the permittee to provide additional supporting information.

[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(l)(4)]

h) The permittee is responsible for submitting any supporting information in a timely manner to enable the Director to consider the application prior to the performance test. Neither the submittal of an application, nor the Director's failure to approve or disapprove the application shall relieve the permittee of the responsibility to comply with any provision of Subpart LLL.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(l)(5)]

i) The Director may decide at any time, on a case-by-case basis, that additional or alternative operating limits, or alternative approaches to establishing operating limits are necessary to demonstrate compliance with the emission standards of Subpart LLL.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(l)(6)]

j) The requirements in B.4.c) to conduct daily Method 22 testing shall not apply to any specific raw mill or finish mill equipped with a continuous opacity monitor (COM) or a bag leak detection system (BLDS). If the permittee chooses to install a COM in lieu of conducting the daily visual emissions testing as required pursuant to B.4.c), then the permittee shall install a COM at the outlet of the PM control device of the raw mill or finish mill. The COM shall be installed, maintained, calibrated, and operated as required by the general provisions of 40 CFR, Part 60, Subpart A and performance specification 1, Appendix B of 40 CFR, Part 60. To remain in compliance, the opacity shall be maintained such that the 6-minute average for any 6-minute block period does not exceed 10 percent. If the average opacity for any 6-minute block period exceeds 10 percent, this shall constitute a violation of the opacity limitation. If the permittee chooses to install a BLDS in lieu of conducting the daily visual emissions testing as required pursuant to B.4.c), the permittee shall then comply with the requirements specified in B.4.k) through B.4.s).
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)]

k) The BLDS must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 milligrams per actual cubic meter (0.0044 grain per actual cubic foot) or less. "Certify" shall mean that the instrument manufacturer has tested the instrument on gas streams having a range of particle size distributions and confirmed by means of valid filterable

PM tests that the minimum detectable concentration limit is at or below 10 milligrams per actual cubic meter (0.0044 grain per actual cubic foot) or less.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(1)]

l) The sensor on the BLDS shall provide output of relative PM emissions.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(2)]

m) The BLDS shall have an alarm that will activate automatically when it detects a significant increase in relative PM emissions greater than a preset level.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(3)]

n) The presence of an alarm condition should be clearly apparent to facility operating personnel.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(4)]

o) For a positive-pressure fabric filter, each compartment or cell shall have a bag leak detector. For a negative-pressure or induced-air fabric filter, the bag leak detector must be installed downstream of the fabric filter. If multiple bag leak detectors are required (for either type of fabric filter), detectors may share the system instrumentation and alarm.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(5)]

p) All BLDS shall be installed, operated, adjusted, and maintained so that they are based on the manufacturer's written specifications and recommendations. The USEPA recommends, where appropriate, that the standard operating procedures manual for each bag leak detection system include concepts from EPA's ``Fabric Filter Bag Leak Detection Guidance'' (EPA-454/R-98-015, September 1997).
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(6)]

q) The baseline output of the BLDS system must be established as follows:

(1) adjust the range and the averaging period of the device; and

(2) establish the alarm set points and the alarm delay time.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(7)]

r) After initial adjustment, the range, averaging period, alarm set points, or alarm delay time may not be adjusted except as specified in the O & M plan. In no event may the range be increased by more than 100 percent or decreased by more than 50 percent over a 1 calendar year period unless a responsible official, as defined in 40 CFR 63.2, certifies in writing to the Director that the fabric filter has been inspected and found to be in good operating condition.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(8)]

s) The permittee shall maintain and operate the fabric filter such that the bag leak detector alarm is not activated and an alarm condition does not exist for more than 5 percent of the total operating time in a 6-month block period. Each time the alarm activates, alarm time will be counted as the actual amount of time taken by the permittee to initiate corrective actions. If inspection of the fabric filter demonstrates that no corrective actions are necessary, no alarm time will be counted. The permittee shall continuously record the output from the BLDS during

periods of normal operation. Normal operation does not include periods when the BLDS is being maintained or during startup, shutdown or malfunction.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(m)(9)]

t) The permittee shall maintain files of all the information (including all reports and notifications) required by Subpart LLL. The files shall be 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.

The permittee shall maintain the following records for each affected emissions unit, as required by 40 CFR 63.10(b)(2) and (b)(3):

(1) all documentation supporting initial notifications and notifications of compliance status pursuant to 40 CFR 63.9;

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

(3) if the permittee has been granted a waiver pursuant to 40 CFR 63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of record keeping or reporting requirements.

In addition, regarding any continuous monitoring system, all records shall be maintained as required by 40 CFR 63.10(c).
[OAC 3745-77-07(C)(1) and 40 CFR 63.1355]

5. In conjunction with B.2 and B.3, the permittee shall comply with the following reporting requirements:

a) The permittee shall prepare, for each Subpart LLL affected emissions unit, a written operations and maintenance (O & M) plan (this has been completed). The O & M plan shall be submitted to the Director for review and approval (this has been completed), and shall meet the requirements specified in B.4.a).

Failure to comply with, or implement procedures consistent with, any provision of the operations and maintenance plan shall be considered a violation of the limitation and this permit.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1350(a), (b) and 64 FR 31903]

b) The permittee shall comply with the notification requirements specified in 40 CFR 63.9 as follows:

(1) submit notification of performance tests, as required by 40 CFR 63.7 and 63.9(e).

(2) submit notification of opacity and visible emission observations required by B.4 in accordance with 40 CFR 63.6(h)(5) and 63.9(f).

(3) submit notification, as required by 40 CFR 63.9(g), of the date that the continuous emission monitor performance evaluation required by 40 CFR 63.8(e) is scheduled to begin.

(4) submit notification of compliance status, as required by 40 CFR 63.9(h).
[OAC 3745-77-07(C)(1) and 40 CFR 63.1353]

c) The permittee shall comply with the reporting requirements specified in 40 CFR 63.10 of the general provisions of 40 CFR, Part 63, Subpart A as follows:

(1) as required by 40 CFR 63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status;

(2) as required by 40 CFR 63.10(d)(3), the permittee shall report the opacity results from tests required by 6.b below [completed];

(3) as required by 40 CFR 63.10(d)(4), if the permittee is required to submit progress reports as a condition of receiving an extension of compliance under 40 CFR 63.6(i), the permittee shall submit such reports by the dates specified in the written extension of compliance.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1354(b)(1) - (3)]

d) As required by 40 CFR 63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected emissions unit (including actions taken to correct a malfunction) are consistent with the procedures specified in the emissions unit's startup, shutdown, and malfunction plan specified in 40 CFR 63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports, if applicable.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1354(b)(4)]

e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1354(b)(5)]

f) The permittee shall submit a summary report semiannually that contains the information specified in 40 CFR 63.10(e)(3)(vi). In addition, the summary report shall include: All failures to comply with any provision of the O & M plan developed in accordance with B.5.a).
[OAC 3745-77-07(C)(1) and 40 CFR 63.1354(b)(9)(v)]

6. In conjunction with B.2 and B.3, the permittee shall comply with the following testing/ compliance demonstration requirements:

a) The permittee shall demonstrate initial compliance with the opacity standards using the test methods and procedures specified in B.6.b) and in 40 CFR 63.7. Performance test results shall be documented in complete test reports that contain the information required by items (1)

through (10) below, as well as all other relevant information. The plan to be followed during testing shall be made available to the Director prior to testing, if requested:

(1) brief description of the process and the air pollution control system;

(2) sampling location description(s);

(3) a description of sampling and analytical procedures and any modifications to standard procedures;

(4) test results;

(5) quality assurance procedures and results;

(6) records of operating conditions during the test, preparation of standards, and calibration procedures;

(7) raw data sheets for field sampling and field and laboratory analyses;

(8) documentation of calculations;

(9) all data recorded and used to establish parameters for compliance monitoring; and

(10) any other information required by the test method.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1349(a)]

b) The permittee shall demonstrate initial compliance with the opacity limitation of the affected emissions unit by conducting a test in accordance with Method 9, Appendix A of 40 CFR, Part 60. The performance test shall be conducted under the conditions that exist when the affected emissions unit is operating at the representative performance conditions in accordance with 40 CFR 63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the affected emissions unit is in initial compliance with the opacity limitation. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(1) there are no individual readings greater than 10 percent opacity; and

(2) there are no more than three readings of 10 percent for the first 1-hour period.
[OAC 3745-77-07(C)(1) and 40 CFR 63.1349(b)(2)]

c) The permittee shall conduct, or have conducted, emission testing for all the Subpart LLL affected emissions units. The emission testing shall be conducted by December 14, 2002 [in accordance with 40 CFR 63.7(a)(2)(ix)] [completed].

7. In conjunction with B.2 and B.3, the permittee shall comply with the following miscellaneous requirements:

a) The permittee shall comply with all the applicable requirements of 40 CFR, Part 63, Subpart LLL (National Emission Standards for Hazardous Air Pollutants for Portland Cement Manufacturing)

as well as with all the applicable requirements of Subpart A of Part 63 (General Provisions), as identified in Table 1 in the Appendix of Subpart LLL.
[OAC 3745-77-07(C)(1)]

8. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, and well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirements contained in a permit to install or in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

   a) B001 - clay wash mill hot water heater (10 MMBTU/hr)
   b) F007 - mill building (fugitives) - (formerly Z001)
   c) F008 - slurry tanks (fugitives) - (formerly Z002)
   d) F009 - kiln building (fugitives) - (formerly Z003)
   e) P025 - cement kiln dust handling - Kiln 1 (formerly part of Z004)
   f) P026 - cement kiln dust handling - Kiln 2 (formerly part of Z004)
   g) P028 - Dry Absorbent Addition - kiln #1 (with filters) [PTI P0107001 issued March 9, 2011]
   h) P029 - Dry Absorbent Addition - kiln #2 (with filters) [PTI P0107001 issued March 9, 2011]

   (Authority for term: OAC rule 3745-77-07(A)(13))

9. The following emissions units contained in this permit are subject to 40 CFR, Part 63, Subpart EEE: P014 and P015. The complete MACT requirements, including the MACT General Provisions may be accessed via the Internet from the Electronic Code of Federal Regulations (e-CFR) website http://www.ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

C. Emissions Unit Terms and Conditions

1. F001, Quarry - Extraction

Operations, Property and/or Equipment Description:

Drilling, blasting, loading materials to trucks

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(B)(1)	none [See b)(2)a.]
b.	OAC rule 3745-17-08(B)	none [See b)(2)b.]

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

b. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

2. F002, Storage Piles

Operations, Property and/or Equipment Description:

aggregate (limestone) storage piles

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(B)(1)	none [See b)(2)a.]
b.	OAC rule 3745-17-08(B)	none [See b)(2)b.]

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

b. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

3. F003, Roadways

Operations, Property and/or Equipment Description:

Paved and unpaved roadways and parking areas

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 03-16227 issued December 7, 2004)	104 tons fugitive particulate emissions (PE) /yr 29.0 tons fugitive particulate matter less than 10 microns in size (PM_{10}) /yr
b.	OAC rule 3745-17-07(B)(1)	none [See b)(2)j.]
c.	OAC rule 3745-17-08(B)(1)	none [See b)(2)k.]
d.	OAC rule 3745-31-05(A)(3) (PTI 03-16227 issued December 7, 2004) paved roadways and parking areas [see b)(2)a]	no visible PE, except for a period of time not to exceed one minute during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [see b)(2)c, and b)(2)e through b)(2)i]
e.	OAC rule 3745-31-05(A)(3) (PTI 03-16227 issued December 7, 2004) unpaved roadways and parking areas [see b)(2)b]	no visible PE, except for a period of time not to exceed three minutes during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [see b)(2)d through b)(2)i]

(2) Additional Terms and Conditions

a. The paved roadways that are subject to the terms and conditions of this permit are listed below:

paved roadways: all paved road segments

paved parking areas: all paved parking areas

b. The unpaved roadways and parking areas that are subject to the terms and conditions of this permit are listed below:

unpaved roadways: all unpaved road segments

unpaved parking areas: all unpaved parking areas

c. The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas with watering and sweeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

d. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with watering or other suitable dust suppression chemicals, at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

e. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

f. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.

g. The permittee shall promptly remove, in such a manner as to minimize or prevent re-suspension, earth and/or other material from paved streets onto which such

material has been deposited by trucking or earth moving equipment or erosion by water or other means.

h. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

i. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

j. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

k. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

paved roadways and parking areas:	minimum inspection frequency:
All	Once per day of operation

unpaved roadways and parking areas:	minimum inspection frequency:
All	Once per day of operation

[OAC 3745-77-07(C)(1) and PTI 03-16227]

(2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(3) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(4) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in (3)d shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify the following:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

These reports shall be submitted in accordance with the reporting requirements specified in the Standard Terms and Conditions of this permit.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
104 tons fugitive PE/year

Applicable Compliance Method:
The emission limitation was determined by summing the total emission rates from unpaved and paved roadways and parking areas, and then dividing by 2000 pounds/ton.

The emission rate was determined as follows:

i. for paved areas, multiply the appropriate emission factor from AP-42 (Chapter 13.2.1, revised 12/03) of 5.95 pounds PE/vehicle mile traveled

(VMT) by the maximum VMT of 33,209 miles/year, and a control factor of (1 - 0.95)*; and

ii. for unpaved areas, multiply the appropriate emission factor from AP-42 (Chapter 13.2.2, revised 12/03) of 10.97 pounds PE/VMT by the maximum VMT of 71,924 miles/year, and a control factor of (1 - 0.75)*.

* The control efficiency for dust suppression is assumed to be 95% for paved areas and 75% for unpaved areas.

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PE limitation will be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

b. Emission Limitation:
29.0 tons fugitive PM_{10}/year

Applicable Compliance Method:
The emission limitation was determined by summing the total emission rates from unpaved and paved roadways and parking areas, and then dividing by 2000 pounds/ton.

The emission rate was determined as follows:

i. for paved areas, multiply the appropriate emission factor from AP-42 (Chapter 13.2.1, revised 12/03) of 1.16 pounds PM_{10}/vehicle mile traveled (VMT) by the maximum VMT of 33,209 miles/year, and a control factor of (1 - 0.95)*; and

ii. for unpaved areas, multiply the appropriate emission factor from AP-42 (Chapter 13.2.2, revised 12/03) of 3.12 pounds PM_{10}/VMT by the maximum VMT of 71,924 miles/year, and a control factor of (1 - 0.75)*.

* The control efficiency for dust suppression is assumed to be 95% for paved areas and 75% for unpaved areas.

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PM_{10} limitation will be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

c. Emission Limitation:
There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed one minute during any 60-minute period.

Applicable Compliance Method:
Compliance with the visible emission limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as

such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(1) through (B)(4)(d) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

d. Emission Limitation:
There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method:
Compliance with the visible emission limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(1) through (B)(4)(d) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

g) Miscellaneous Requirements

(1) None.

4. F004, CKD Handling

Operations, Property and/or Equipment Description:

Cement kiln dust (baghouse bottoms) - handling, conveying, storage (formerly P902)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(B)(1)	none [See b)(2)a.]
b.	OAC rule 3745-17-08(B)	none [See b)(2)b.]
c.	40 CFR Part 63, Subpart LLL (40 CFR 63.1340-1359) See b)(2)c.	10 percent opacity, as a six-minute average [40 CFR 63.1348] See d)(1), e)(1), f(1), and f)(2).
d.	40 CFR 63.1-15 (40 CFR 63 Subpart LLL – Appendix)	Table 1 to Subpart LLL of 40 CFR Part 63 – Applicability of General Provisions to Subpart LLL shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

b. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c. In accordance with 40 CFR 63.1340(b), this emissions unit is ‘existing’ conveying system / transfer points at a facility which is a major source subject to the emissions limitations / control measures specified in this section.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1350 - monitoring requirements

63.1355 - recordkeeping requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

e) Reporting Requirements

(1) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1353 - notification requirements

63.1354 - reporting requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation in accordance with 40 CFR, Part 60, Appendix A, Method 9, and the compliance procedures and performance test methods specified in section f)(2) of the terms and conditions of this permit.
[OAC rule 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

(2) The permittee shall comply with the applicable compliance requirements as required under 40 CFR 63 Subpart LLL, including the following sections:

63.1349 - performance testing requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

g) Miscellaneous Requirements

(1) None.

5. P013, Hammermill Crusher

Operations, Property and/or Equipment Description:

Hammermill crusher - (limestone) unloading trucks, crushing material, discharging to conveyors - 1000 tons/hr - with baghouse

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	none [See b)(2)a.]
b.	OAC rule 3745-17-07(A)	none [See b)(2)b.]

(2) Additional Terms and Conditions

a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Paulding County.

b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

6. P901, New RM Handling

Operations, Property and/or Equipment Description:

(Other) raw material storage, conveying, handling -with process baghouse

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (PTI 03-8914 issued January 4, 1996)	4.7 lbs/day fugitive particulate emissions (PE) [from the conveyors and storage hall] 0.005 gr/dscf or no visible emissions (0% opacity) [from the process baghouse] Visible emissions shall not exceed 1 minute in any 60-minute observation period [from the storage hall egress points] See b)(2)a.
b.	OAC rule 3745-17-07(B)(1)	none [See b)(2)b.]
c.	OAC rule 3745-17-08(B)	none [See b)(2)c.]
d.	OAC rule 3745-17-11(B)	none [See b)(2)d.]
e.	OAC rule 3745-17-07(A)	none [See b)(2)e.]
f.	40 CFR Part 63, Subpart LLL (40 CFR 63.1340-1359) See b)(2)f.	10 percent opacity, as a six-minute average [40 CFR 63.1348] See d)(3), e)(3), f)(1)e, and f)(2).
g.	40 CFR 63.1-15 (40 CFR 63 Subpart LLL – Appendix)	Table 1 to Subpart LLL of 40 CFR Part 63 – Applicability of General Provisions to Subpart LLL shows which parts of the General Provisions in 40 CFR 63.1-15 apply.
h.	40 CFR Part 60, Subpart F	exempt, pursuant to 40 CFR 63.1356 (40 CFR Part 63, Subpart LLL)

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart LLL.

b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

c. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

d. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Paulding County.

e. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

f. In accordance with 40 CFR 63.1340(b), this emissions unit is an existing raw material, clinker, or finished product storage bin / conveying system transfer point at a facility which is a major source subject to the emissions limitations / control measures specified in this section.

c) Operational Restrictions

(1) The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the transfer of material into the conveyor hopper.
[OAC 3745-77-07(C)(1) and PTI 03-8914]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse(s) during operation of this emissions unit. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop, in inches of water, across the baghouse on a weekly basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control

equipment within the acceptable range(s) specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the baghouse is 3 to 7 inches of water.

This range(s) is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range(s) based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range(s) will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a 'minor' permit modification.
[OAC 3745-77-07(C)(1) and PTI 03-8914]

(2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions from the baghouse and for any visible fugitive dust emissions from the conveyor transfer points, storage piles, and storage hall egress points associated with this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. the cause of the visible emissions;

c. the total duration of any visible emission incident; and

d. any corrective actions taken to eliminate the visible emissions.
[OAC 3745-77-07(C)(1) and PTI 03-8914]

(3) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1350 - monitoring requirements

63.1355 - recordkeeping requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouse(s) was outside the acceptable range(s);

b. an identification of each incident of deviation described in (a) above where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in (a) where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range(s), was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in (a) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
[OAC 3745-77-07(C)(1) and PTI 03-8914]

(2) The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse and/or the conveyor transfer points, storage piles, and storage hall egress points associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
[OAC 3745-77-07(C)(1) and PTI 03-8914]

(3) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1353 - notification requirements

63.1354 - reporting requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
4.7 lbs/day fugitive PE [from the conveyors and storage hall]

Applicable Compliance Method:
Compliance with the daily allowable PE limitation above may be determined by multiplying the AP-42, Table 8.19-1.1 (as revised in a 9/85 version) emission factor of 13.2 lbs PE/acre/day by the maximum total area of the storage hall (0.25 acre).
[OAC 3745-77-07(C)(1) and PTI 03-8914]

b. Emission Limitation:
no visible emissions (0% opacity), from the process baghouse

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with 40 CFR, Part 60, Appendix A, Method 9.
[OAC 3745-77-07(C)(1) and PTI 03-8914]

c. Emission Limitation:
Visible emissions shall not exceed 1 minute in any 60-minute observation period [from the storage hall egress points]

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-8914]

d. Emission Limitation:
0.005 gr/dscf [from the process baghouse]

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the limitation above in accordance with 40 CFR, Part 60, Appendix A, Methods 1 - 5.
[OAC 3745-77-07(C)(1) and PTI 03-8914]

e. Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation in accordance with 40 CFR, Part 60, Appendix A, Method 9, and the compliance procedures and performance test methods specified in section f)(2) of the terms and conditions of this permit.
[OAC rule 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

(2) The permittee shall comply with the applicable compliance requirements as required under 40 CFR 63 Subpart LLL, including the following sections:

63.1349 - performance testing requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

g) Miscellaneous Requirements

(1) None.

7. P903, Raw Material Handling

Operations, Property and/or Equipment Description:

cement kiln dust (baghouse bottoms) - handling, conveying, storage

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI 03-7494 issued December 15, 1993)	0.077 lb particulate emissions (PE) /hr [from the storage silo] 0% opacity, as a six-minute average [from the baghouse and conveyor transfer points] See b)(2)a and b)(2)g.
b.	OAC rule 3745-17-07(B)(1)	none [See b)(2)b.]
c.	OAC rule 3745-17-08(B)	none [See b)(2)c.]
d.	OAC rule 3745-17-11(B)	none [See b)(2)d.]
e.	OAC rule 3745-17-07(A)	none [See b)(2)e.]
f.	40 CFR Part 63, Subpart LLL (40 CFR 63.1340-1359) See b)(2)f.	10 percent opacity, as a six-minute average [40 CFR 63.1348] See d)(3), e)(3), f)(1)c, and f)(2).
g.	40 CFR 63.1-15 (40 CFR 63 Subpart LLL – Appendix)	Table 1 to Subpart LLL of 40 CFR Part 63 – Applicability of General Provisions to Subpart LLL shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart LLL.

b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

c. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

d. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Paulding County.

e. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

f. In accordance with 40 CFR 63.1340(b), this emissions unit is an existing raw material, clinker, and/or finished product storage bin at a facility which is a major source subject to the emissions limitations / control measures specified in this section.

g. The emissions unit identification in PTI 03-7494 is F005, but this identification has been changed to P903 in the first Title V permit. With the EU identification change, the emissions unit has also been modified so the sand storage pile listed in the PTI is no longer part of the emissions unit.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse(s) during operation of this emissions unit. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop, in inches of water, across the baghouse on a weekly basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range(s) specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that

determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the baghouse is 3 to 7 inches of water.

This range(s) is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range(s) based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range(s) will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a 'minor' permit modification.
[OAC 3745-77-07(C)(1) and PTI 03-7494]

(2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions from the baghouse associated with this emissions unit and for any visible fugitive particulate emissions from the transfer points associated with this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

b. the cause of the visible emissions;

c. the total duration of any visible emission incident; and

d. any corrective actions taken to eliminate the visible emissions.
[OAC 3745-77-07(C)(1) and PTI 03-7494]

(3) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1350 - monitoring requirements

63.1355 - recordkeeping requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouse(s) was outside the acceptable range(s);

b. an identification of each incident of deviation described in (a) above where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in (a) where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range(s), was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in (a) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
[OAC 3745-77-07(C)(1) and PTI 03-7494]

(2) The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse associated with this emissions unit and for any visible fugitive particulate emissions from the transfer points associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
[OAC 3745-77-07(C)(1) and PTI 03-7494]

(3) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1353 - notification requirements

63.1354 - reporting requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
0.077 lb PE /hr [from the storage silo]

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation in accordance with 40 CFR, Part 60, Appendix A, Methods 1 - 5.
[OAC 3745-77-07(C)(1) and PTI 03-7494]

b. Emission Limitation:
0% opacity, as a six-minute average [baghouse conveyance, transfer]

Applicable Compliance Method:
Compliance with the visible emission limitation above shall be determined in accordance with 40 CFR 60, Appendix A, Method 9, with modification as specified in 40 CFR 60.674(c) for conveyance points.

c. Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation in accordance with 40 CFR, Part 60, Appendix A, Method 9, and the compliance procedures and performance test methods specified in section f)(2) of the terms and conditions of this permit.
[OAC rule 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

(2) The permittee shall comply with the applicable compliance requirements as required under 40 CFR 63 Subpart LLL, including the following sections:

63.1349 - performance testing requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

g) Miscellaneous Requirements

(1) None.

9. P905, Mid Kiln Feed System Uncalcined&Precalcined Materials

Operations, Property and/or Equipment Description:

Uncalcined and precalcined materials mid-kiln feed system including material storage, loading, and conveying with four baghouses (formerly F006)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05 (A)(3) (PTI 03-16227 issued December 7, 2004)	See b)(2)b and b)(2)c. <u>Fugitive Emissions</u>: 0.24 ton particulate emissions (PE)/year 0.12 ton particulate matter less than 10 microns in size (PM_{10})/year visible fugitive PE limitations [See b)(2)d.] best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)e through b)(2)g.] <u>Stack Emissions</u>: 0.01 grains PE/dscf 10.2 tons PE/year [See b)(2)i.] Visible particulate emissions from the baghouse stacks serving this emissions unit shall not exceed 5 percent opacity, as a six-minute average. See b)(2)h.
b.	OAC rule 3745-17-07(B)(1)	none [See b)(2)j.]
c.	OAC rule 3745-17-08(B)	none [See b)(2)k.]
d.	OAC rule 3745-17-11(B)	none [See b)(2)l.]

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	OAC rule 3745-17-07(A)	none [See b)(2)m.]
	40 CFR Part 63, Subpart LLL (40 CFR 63.1340-1359) See b)(2)n.	10 percent opacity, as a six-minute average [40 CFR 63.1348] See d)(5), e)(4), f)(1)i, and f)(2).
	40 CFR 63.1-15 (40 CFR 63 Subpart LLL – Appendix)	Table 1 to Subpart LLL of 40 CFR Part 63 – Applicability of General Provisions to Subpart LLL shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. The following mid-kiln feed system emission points are covered by this permit and subject to the above-mentioned requirements:

i. load-in, load-out, and wind erosion from uncalcined and precalcined material storage pile;

ii. hopper loading; and

iii. material conveying.

b. The best available technology (BAT) control requirements for this emissions unit have been determined to be building enclosures and the use of four baghouses (306-DC-01, 306-DC-02, 306-DC-03, and 306-DC-04) which are capable of achieving maximum outlet concentrations of 0.01 gr/dscf.

c. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart LLL.

d. Visible fugitive particulate emissions (PE) associated with the mid-kiln feed system shall not exceed the following opacity restrictions:

i. There shall be no visible fugitive PE from the material transfer, conveying, and bin loading operations, including the enclosed operations, associated with the mid-kiln feed system, except from hopper loading which is subject to the requirements of 40 CFR 63 Subpart LLL.

ii. There shall be no visible fugitive PE from the load-in and load-out operations of the storage piles associated with the mid-kiln feed system, except for a period of time not to exceed one minute during any 60-minute observation period.

iii. There shall be no visible fugitive PE from wind erosion of the storage piles associated with the mid-kiln feed system, except for a period of time not to exceed one minute during any 60-minute observation period.

e. The permittee shall employ best available control measures for the load-in, load-out, and wind erosion emissions from the material storage pile associated with the mid-kiln feed system for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee maintains that the inherent moisture content and silt content of the materials processed/handled is at a level which is sufficient to comply with all applicable requirements. If at any time the moisture content and/or silt content is not sufficient to meet the above applicable requirements, the permittee has committed to watering, as needed. In addition, the permittee has committed to reduced drop heights and maintaining as low of a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

f. The control measure(s) specified in A.I.2.e shall be employed if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

g. Implementation of the above-mentioned control measures, in accordance with the terms and conditions of this permit, is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05 (A)(3).

h. All particulate emissions from the baghouses are assumed to be particulate matter less than 10 µm in size (PM_{10}).

i. The total annual PE limitation is comprised of four emission points: baghouse 306-DC-01, baghouse 306-DC-02, baghouse 306-DC-03, and baghouse 306-DC-04. The emission limitation of 10.16 tons PE/year is a summation of the emissions from the four emission points.

j. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

k. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

l. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Paulding County.

m. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

n. In accordance with 40 CFR 63.1340(b), this emissions unit is an existing raw material, clinker, or finished product storage bin / conveying system transfer point / bulk loading or unloading system at a facility which is a major source subject to the emissions limitations / control measures specified in this section.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of the fugitive dust operations/sources in accordance with the following frequencies:

storage pile operations:	minimum inspection frequency:
load-in operations	once during each day of operation
load-out operations	once during each day of operation
wind erosion from pile surface	once during each day of operation

(2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures for particulate emissions. The inspections shall be performed during representative, normal operating conditions. No inspection shall be necessary for a fugitive dust operation/source that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified event shall be performed as soon as such event(s) has (have) ended, except if the next inspection is within one week.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(3) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(4) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);

c. the dates the control measure(s) was (were) implemented; and

d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in d)(3)d shall be kept separately for each fugitive dust operation/source listed above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(5) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for (a) any visible fugitive emissions from transfer operations that are not contained within an enclosure and (b) any visible fugitive emissions from enclosures containing the transfer operations associated with the mid-kiln feed system. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible fugitive emissions are observed, the permittee shall also note the following in the operations log:

a. the color and location of the emissions;

b. the total duration of any visible emission incident; and

c. any corrective actions taken to eliminate the visible emissions.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(6) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from each of the baghouse stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the baghouse stack identification number;
b. the color of the emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(7) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1350 - monitoring requirements

63.1355 - recordkeeping requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify the following:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

These reports shall be submitted in accordance with the reporting requirements specified in the Standard Terms and Conditions of this permit.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(2) The permittee shall submit semiannual written reports which identify the following:

a. each day during which any visible fugitive emissions were observed from the transfer operations associated with the mid-kiln feed system that are not contained within an enclosure;

b. each day during which any visible fugitive emissions were observed from the enclosures containing the transfer operations associated with the mid-kiln feed system; and

c. describe any corrective actions taken to eliminate the visible fugitive emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(3) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from any of the baghouse stacks serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

(4) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1353 - notification requirements

63.1354 - reporting requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

Emission Limitation: fugitive
0.24 ton PE/year

Applicable Compliance Method:
The emission limitation was determined by summing the total emission rates associated with the material storage pile and material handling operations, and then dividing by 2000 pounds/ton.

The emission rate was determined as follows:

i. for load-in/load-out of storage piles, multiply the appropriate emission factor from AP-42 (Chapter 11.19.2, revised 8/04) of 0.00010 pound PM_{10}/ton of aggregate processed by the maximum capacity of 100 tons/hour, a maximum operating schedule of 8760 hours/year, and a particle size multiplier of 2.1;

ii. for wind erosion from storage piles, multiply the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/98) of 3.78 lbs PE/day/acre by 365 days/year, and 0.01 acres; and

iii. for hopper loading, multiply the appropriate emission factor from AP-42 (Chapter 11.19.2, revised 8/04) of 0.00010 pound PM_{10}/ton of aggregate processed by the maximum capacity of 100 tons/hour, a maximum operating schedule of 8760 hours/year, and a particle size multiplier of 2.1.

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PE limitation will be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

b. Emission Limitation: fugitive
0.12 ton PM_{10}/year

Applicable Compliance Method:
The emission limitation was determined by summing the total emission rates associated with the material storage piles and material handling operations, and then dividing by 2000 pounds/ton.

The emission rate was determined as follows:

i. for load-in/load-out of storage piles, multiply the appropriate emission factor from AP-42 (Chapter 11.19.2, revised 8/04) of 0.00010 pound PM_{10}/ton of aggregate processed by the maximum capacity of 100 tons/hour, and a maximum operating schedule of 8760 hours/year;

ii. for wind erosion from storage piles, multiply the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/98) of 3.78 lbs PE/day/acre by 365 days/year, and 0.01 acres; and

iii. for hopper loading, multiply the appropriate emission factor from AP-42 (Chapter 11.19.2, revised 8/04) of 0.00010 pound PM_{10}/ton of aggregate processed by the maximum capacity of 100 tons/hour, and a maximum operating schedule of 8760 hours/year.

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PE limitation will be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

c. Emission Limitation: stack
0.01 grains PE/dscf

Applicable Compliance Method:
This limitation was established based on the manufacturer's guaranteed maximum outlet concentration. If required, compliance with the particulate emission limitation shall be determined in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A - Methods 1-5.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

d. Emission Limitation: stack
10.2 tons PE/year

Applicable Compliance Method:
The permittee shall demonstrate compliance with the annual limitation by summing the annual emission rates from the four baghouses (306-DC-01, 306-DC-02, 306-DC-03, and 306-DC-04) associated with this emissions unit and multiplying by 60 minutes/hour and 8760 hours/year, and then dividing by 7000 grains/pound and 2000 pounds/ton.

The emission rate was determined as follows:

i. for 306-DC-01, multiply the maximum outlet concentration from the baghouse of 0.01 grains PE/dscf by the maximum volumetric air flow of 1,500 dscf;

ii. for 306-DC-02, multiply the maximum outlet concentration from the baghouse of 0.01 grains PE/dscf by the maximum volumetric air flow of 12,000 dscf;

iii. for 306-DC-03, multiply the maximum outlet concentration from the baghouse of 0.01 grains PE/dscf by the maximum volumetric air flow of 12,000 dscf;

iv. for 306-DC-04, multiply the maximum outlet concentration from the baghouse of 0.01 grains PE/dscf by the maximum volumetric air flow of 1,500 dscf;

Provided compliance is demonstrated with the maximum outlet concentrations, compliance with the annual emission limitation will be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

e. Emission Limitation:
There shall be no visible fugitive PE from the load-in and load-out operations of the storage piles associated with the mid-kiln feed system, except for a period of time not to exceed one minute during any 60-minute observation period.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on

Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

f. Emission Limitation:
There shall be no visible fugitive PE from wind erosion of the storage piles associated with the mid-kiln feed system, except for a period of time not to exceed one minute during any 60-minute observation period.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

g. Emission Limitation:
There shall be no visible fugitive PE from the material transfer, conveying, and bin loading operations, including the enclosed operations, associated with the mid-kiln feed system except from hopper loading.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

h. Emission Limitation:
Visible particulate emissions from the baghouse stacks serving this emissions unit shall not exceed 5 percent opacity, as a six-minute average.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance in accordance with 40 CFR, Part 60, Appendix A, Method 9.
[OAC 3745-77-07(C)(1) and PTI 03-16227]

i. Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation in accordance with 40 CFR, Part 60, Appendix A, Method 9, and the compliance procedures

and performance test methods specified in section f)(2) of the terms and conditions of this permit.
[OAC rule 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

(2) The permittee shall comply with the applicable compliance requirements as required under 40 CFR 63 Subpart LLL, including the following sections:

63.1349 - performance testing requirements
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart LLL]

g) Miscellaneous Requirements

(1) None.

8. Emissions Unit Group -cement kilns: P014, P015,

EU ID	Operations, Property and/or Equipment Description
P014	Cement kiln 1 (north), waste-derived fuel and coal, with baghouse
P015	Cement kiln 2 (south), waste-derived fuel and coal, with baghouse

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	75 pounds per hour (lbs/hr) of particulate emissions (PE)
b.	OAC rule 3745-17-07(A)	See b)(2)e.
c.	OAC rule 3745-18-69(B)	43.0 pounds sulfur dioxide (SO_2) per ton of cement produced
d.	40 CFR Part 61, Subpart FF	Exempt, pursuant to 40 CFR 61.348(d)(4).
e.	OAC rule 3745-31-05 (PTI 03-976 issued November 17, 1980)	See b)(2)a.
f.	40 CFR Part 63, Subpart EEE (40 CFR 63.1200-1221) See b)(2)c.	emissions standards and related requirements [40 CFR 63.1204 and 63.1220] See b)(2)b, b)(2)d, c)(1), d)(5), e)(2), and f)(4).
h.	40 CFR 63.1-15 (40 CFR Part 63, Subpart EEE – Appendix)	Table 1 to Subpart EEE of 40 CFR Part 63 – Applicability of General Provisions to Subpart EEE shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. The terms and conditions of the permit to install for this emissions unit, which was issued on November 17, 1980, were made obsolete by the promulgation of Title 40, Parts 260, 261, 264, 265, 266, 270, and 271 on February 21, 1991, and later by the promulgation of Part 63 (Subpart EEE) on September 30, 1999.

b. The permittee shall comply with the emissions standards and related requirements of 40 CFR 63.1204, until the next Comprehensive Performance Test and associated requirements are completed and approved, at which time the emissions standards and related requirements of 40 CFR 63.1220 become effective.

c. In accordance with 40 CFR 63.1200 and 63.1201, this emissions unit is a hazardous waste burning cement kiln subject to the emissions limitations / control measures specified in this section.

d. The permittee shall comply with the applicable additional requirements required under 40 CFR 63 Subpart EEE, including the following sections:

63.1206 - compliance procedures for the standards and operating requirements

63.1213 - provisions for compliance date extension

63.1214 - implementation and enforcement authority provisions

63.1215 - provisions for health-based compliance alternatives for chlorine

e. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 63, Subpart EEE.

c) Operational Restrictions

(1) The permittee shall comply with the applicable operational restrictions required under 40 CFR 63 Subpart EEE, including the following section:

63.1206 - compliance procedures for the standards and operating requirements
[OAC 3745-77-07(A)(1), and 40 CFR 63 Subpart EEE]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect or require the coal supplier to collect a representative grab sample of each shipment of coal that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the coal sampling in accordance with ASTM method D-2234, and analyze the coal sample for sulfur content (percent by weight).

Each sample of coal shall be analyzed for ash content (percent), sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods to be used to determine the ash content, sulfur content, and heat content shall be the most recent version of: ASTM method D3174, Standard Test Method for Ash in the Analysis Sample of Coal and Coke from Coal; ASTM method D3177, Standard Test Methods for Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Standard Test Methods for Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D5865 Standard Test Method

for Gross Calorific Value of Coal and Coke, respectively. Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.
[OAC 3745-77-07(C)(1)]

(2) The permittee shall collect or require the blended waste derived fuel supplier to collect a representative grab sample of each batch of blended waste derived fuel to be burned in this emissions unit. All the samples collected each calendar month shall be combined into a composite sample. Each composite sample shall be analyzed for sulfur content (percent by weight). Alternately, a separate analysis may be performed for each batch grab sample, and a monthly arithmetic average of all the analyses computed.

The analysis for sulfur content shall be performed in accordance with ASTM method D4294, ASTM method D240, or ASTM method 6010. Alternative equivalent methods may be used upon written approval by Ohio EPA Northwest District Office.
[OAC 3745-77-07(C)(1)]

(3) The permittee shall collect or require to be collected on a daily basis, a representative grab sample of raw material slurry, clinker, and cement kiln dust produced from or fed into this emissions unit. All the samples collected each calendar month shall be combined into a composite sample. Each composite sample shall be analyzed for sulfur content (percent by weight). Alternately, an analysis may be performed for each daily grab sample, and the analytical results for all the daily grab samples may be used to calculate a monthly arithmetic average.

The analysis for sulfur content shall be performed in accordance with ASTM method C114. Alternative equivalent methods may be used upon written approval by Ohio EPA Northwest District Office.
[OAC 3745-77-07(C)(1)]

(4) In addition to fuel analysis information, the permittee shall calculate and record each month the following information for this emissions unit:

a. the amount of each coal shipment, in pounds, and the total blended waste derived fuel, in gallons and pounds per batch, burned;

b. the amount of raw material slurry, clinker, and cement kiln dust, in pounds, used in or produced;

c. the total number of pounds of sulfur dioxide emitted, calculated as follows:

i. multiply the sulfur content of coal by the number of pounds of coal that were burned;

ii. multiply the sulfur content of the blended waste-derived fuel by the number of pounds of blended waste derived fuel that were burned;

iii. multiply the sulfur content of the raw material slurry by the number of pounds of raw material slurry processed;

iv. multiply the sulfur content of the clinker by the number of pounds of clinker produced;

v. multiply the sulfur content of the cement kiln dust by the number of pounds of cement kiln dust produced; and

vi. calculate the SO_2 emissions, in pounds, as follows:

SO_2 emissions (lbs/month) = 2* x [(i + ii + iii) - (iv + v)]

d. the total number of tons of cement made from clinker produced during each calendar month; and

e. the sulfur dioxide emitted from this emissions unit for each ton of cement (made from clinker produced) produced, i.e., the total pounds of sulfur dioxide emitted from this emissions unit during each calendar month divided by the number of tons of cement made from clinker produced during each calendar month.

* This factor (64/32) is required to convert sulfur to SO_2 since 1 lb-mole (32 lbs) of sulfur will yield 1 lb-mole (64 lbs) of SO_2 ($S + O_2$ ----> SO_2).
[OAC 3745-77-07(C)(1)]

(5) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart EEE, including the following sections:

63.1209 - monitoring requirements

63.1211 - recordkeeping and reporting requirements
[OAC 3745-77-07(C)(1) and 40 CFR 63 Subpart EEE]

e) Reporting Requirements

(1) The permittee shall submit reports within 30 days following the end of each calendar quarter to Ohio EPA, Northwest District Office documenting all instances of stack opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective action(s) taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The reports shall also identify any COMS downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the date, time, reason, and corrective action(s) taken for each time period of monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report.

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.
[OAC 3745-77-07(C)(1)]

(2) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart EEE, including the following sections:

63.1210 - notification requirements

63.1211 - recordkeeping and reporting requirements

63.1212 - other requirements pertaining to the NIC

63.1207 - performance testing requirements
[OAC 3745-77-07(C)(1) and 40 CFR 63 Subpart EEE]

f) Testing Requirements

(1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted (unless otherwise approved by Ohio EPA, Northwest District Office):

i. approximately 2.5 years after permit issuance and within 6 months prior to permit renewal for SO_2.
ii. within 6 months prior to permit renewal for PE.

b. The emission testing shall be conducted to demonstrate compliance with:

i. the allowable mass hourly and lb/ton cement emission rates for SO_2 .
ii. the allowable mass hourly emission rate for PE.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass hourly and lb/mmBtu emission rates:

SO_2: 40 CFR, Part 60, Appendix A, Methods 1 - 4 and 6
PE:40 CFR, Part 60, Appendix A, Methods 1 - 5

d. The emission testing shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Director (the Ohio EPA, Northwest District Office).
[OAC 3745-77-07(C)(1)]

(2) Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Director (the Ohio EPA, Northwest District Office). The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Director (the

Ohio EPA, Northwest District Office's) refusal to accept the results of the emission test(s).

Personnel from the Director (the Ohio EPA, Northwest District Office) shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Director (the Ohio EPA, Northwest District Office) within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Director (the Ohio EPA, Northwest District Office).
[OAC 3745-77-07(C)(1)]

(3) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
43.0 pounds of sulfur dioxide per ton of cement produced

Applicable Compliance Method:
The permittee shall demonstrate compliance with the sulfur dioxide emission limitation above based on the record keeping requirements in d)(4) and the results of emission testing conducted in accordance with USEPA Methods 1 - 4 and 6, 40 CFR Part 60, Appendix A. [See f)(1)]
[OAC 3745-77-07(C)(1)]

b. Emission Limitation:
75 lbs/hr of PE

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PE limitation based on the results of emission testing conducted in accordance with OAC rule 3745-17-03(B)(1). [See f)(1)]
[OAC 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable compliance requirements as required under 40 CFR 63 Subpart EEE, including the following sections:

63.1207 - performance testing requirements

63-1208 - test methods
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart EEE]

g) Miscellaneous Requirements

(1) None.

9. Emissions Unit Group -finish mill operations: P007, P008, P009,

EU ID	Operations, Property and/or Equipment Description
P007	'finish' ball mill - grinding for clinker and gypsum - 34 tons/hr - with process baghouses
P008	'finish' ball mill - grinding for clinker and gypsum - 34 tons/hr - with process baghouses
P009	'finish' ball mill - grinding for clinker and gypsum - 28 tons/hr - with process baghouses

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	none [See b)(2)a.]
b.	OAC rule 3745-17-07(A)	none [See b)(2)b.]
c.	40 CFR Part 63, Subpart LLL (40 CFR 63.1340-1359) See b)(2)c.	10 percent opacity, as a six-minute average [40 CFR 63.1347] See d)(1), e)(1), f)(1), and f)(2).
d.	40 CFR 63.1-15 (40 CFR 63 Subpart LLL – Appendix)	Table 1 to Subpart LLL of 40 CFR Part 63 – Applicability of General Provisions to Subpart LLL shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Paulding County.

b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

c. In accordance with 40 CFR 63.1340(b), this emissions unit is an existing raw / finish mill at a facility which is a major source subject to the emissions limitations / control measures specified in this section.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1350 - monitoring requirements

63.1355 - recordkeeping requirements
[OAC 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

e) Reporting Requirements

(1) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1353 - notification requirements

63.1354 - reporting requirements
[OAC 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

f) Testing Requirements

(1) Compliance with the emission limitation established in section b)(1) of this permit shall be determined in accordance with the following method:

Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation in accordance with 40 CFR, Part 60, Appendix A, Method 9, and the compliance procedures and performance test methods specified in section f)(2) of the terms and conditions of this permit.
[OAC rule 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

(2) The permittee shall comply with the applicable compliance requirements as required under 40 CFR 63 Subpart LLL, including the following sections:

63.1349 - performance testing requirements
[OAC 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

g) Miscellaneous Requirements

(1) None.

10. Emissions Unit Group -various bulk operations - cement: P001, P002, P003, P004, P005, P006,

EU ID	Operations, Property and/or Equipment Description
P001	Cement storage - transfer from finish milling to Packhouse #1 silos - with process baghouses
P002	Cement storage - transfer from finish milling to Packhouse #2 silos - with process baghouses
P003	Cement packaging in Packing Machine #1 at Packhouse #1 - with process baghouse
P004	Cement bulk loadout (truck & rail) in Packhouse #1 - with process baghouses
P005	Cement bulk loadout (truck & rail) in Packhouse #1 - with process baghouses
P006	Cement bulk loadout (truck) in Packhouse #2 - with process baghouse

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	none [See b)(2)a.]
b.	OAC rule 3745-17-07(A)	none [See b)(2)b.]
c.	40 CFR Part 63, Subpart LLL (40 CFR 63.1340-1359) [See b)(2)c.]	10 percent opacity, as a six-minute average [40 CFR 63.1348] See d)(1), e)(1), f)(1), and f)(2).
d.	40 CFR 63.1-15 (40 CFR 63 Subpart LLL – Appendix)	Table 1 to Subpart LLL of 40 CFR Part 63 – Applicability of General Provisions to Subpart LLL shows which parts of the General Provisions in 40 CFR 63.1-15 apply.

(2) Additional Terms and Conditions

a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Paulding County.

b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

c. In accordance with 40 CFR 63.1340(b), this emissions unit is an existing raw material, clinker, or finished product storage bin / conveying system transfer point / bulk loading or unloading system at a facility which is a major source subject to the emissions limitations / control measures specified in this section.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1350 - monitoring requirements

63.1355 - recordkeeping requirements
[OAC 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

e) Reporting Requirements

(1) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart LLL, including the following sections:

63.1353 - notification requirements

63.1354 - reporting requirements
[OAC 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

f) Testing Requirements

(1) Compliance with the emission limitation established in section b)(1) of this permit shall be determined in accordance with the following method:

Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation in accordance with 40 CFR, Part 60, Appendix A, Method 9, and the compliance procedures and performance test methods specified in section f)(2) of the terms and conditions of this permit.
[OAC rule 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

(2) The permittee shall comply with the applicable compliance requirements as required under 40 CFR 63 Subpart LLL, including the following sections:

63.1349 - performance testing requirements
[OAC 3745-77-07(C)(1) and 40 CFR 63 Subpart LLL]

g) Miscellaneous Requirements

(1) None.