State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

09/23/03

CERTIFIED MAIL

RE: Preliminary Proposed Title V
Chapter 3745-77 permit

08-29-70-0165
CEMEX, Inc.
William E. Voshell
3250 Linebaugh road
Xenia, OH 45385-0000

Dear William E. Voshell:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 06/24/03. The comment period for the Draft permit has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. **In order to facilitate our review of all the comments or concerns you may have with the enclosed preliminary proposed permit, please provide a hand marked-up copy of the permit showing the changes you think are necessary, along with any additional summary comments, within fourteen (14) days from your receipt of this letter to:**

Ohio EPA, Division of Air Pollution Control
Jim Orlemann, Manager, Engineering Section
Preliminary Proposed Title V Permit Correspondence
122 South Front Street
Columbus, Ohio 43215

and

RAPCA
117 South Main Street
Dayton, OH 45422-1280
(937) 225-4435

Also, if you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within fourteen (14) days of your receipt of this letter, we will forward the proposed permit to USEPA for approval. All comments received will be carefully considered before proceeding to the proposed permit.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: RAPCA
File, DAPC PMU

State of Ohio Environmental Protection Agency

PRELIMINARY PROPOSED TITLE V PERMIT

Issue Date: 09/23/03	Effective Date: To be entered upon final issuance	Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 08-29-70-0165 to:

CEMEX, Inc.
3250 Linebaugh Road
Xenia, OH 45385

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

F102 (Roads & Parking Lots (Town Plant))
Paved, Unpaved and Chip & Dust Surfaces, Plant Roadways & Parking Areas

F104 (Cement Storage Silos (Town Plant))
Cement Transfer to the North & South Silos, Town Plant

F105 (Cement Bulk Loading (Town Plant))
Bulk Loading of Cement, Town Plant

P003 (Clinker Production (Quarry Plant))
Grinding of Raw Material and Pyroprocessing of this material. (Quarry Plant)

P011 (Clinker Handling (Quarry Plant))
Clinker Transport, Storage and Reclaim - Quarry Plant

P012 (Clinker Storage (Quarry Plant))
Stored Clinker in Concrete Silos (2), 4000 Ton Capacity (Each)

P013 (Hot Clinker Storage (Quarry Plant))
Stored Clinker in Concrete Silo, 1000 Ton Capacity

P014 (Clinker Reclaim (Quarry Plant))
Stored and Handled Clinker

P901 (Rock Crushing (Quarry Plant))
Rock Crushing and Conveying.

P902 (Clay Transfer (Quarry Plant))
Reclaimed rock, clay crushing and additive bin storage

P904 (Clinker Cooling (Quarry Plant))
Cooling of Clinker from the Kiln

P906 (Coal Reclaim (Quarry Plant))
Coal Crushing

P907 (Blending (Quarry Plant))
Blending of Kiln Feed

P909 (Coal Unloading (Quarry Plant))
Coal unloaded into hoppers and conveyed to storage

P911 (Raw Material Unloading & Storage (Quarry Plant))
Handled Clinker

P912 (Clinker Dome Storage (Quarry Plant))
Stored Clinker

P913 (Clinker Bin Storage (Quarry Plant))
Stored Clinker

P914 (Feed Bin Extraction Quarry Plant))
Clinker Extraction

P915 (Lime Storage & Transport (Quarry Plant))
Stored Lime

P916 (Finish Mill Grinding (Quarry Plant))
Grinding Mill

P917 (Finish Mill to Silos (Quarry Plant))
Cement Conveying

P918 (Cement Storage in Silos (Quarry Plant))
Stored Cement

P919 (Bulk Cement Loading (Quarry Plant))
Bulk Loading Equipment

P922 (Packing Machines (Town Plant))
Cement Packaging - Packers 1, 2, 3, & 4; Town plant

P923 (Richmortar Packer (Town Plant))
Cement Packaging - Richmortar Packer; Town Plant

P924 (Pneumatic Conveying System (Town Plant))
Pneumatic Conveying System for Cement Transfers; Town Plant

P925 (New raw material handling system)
Raw material handling system to back end of kiln (slag, fly ash, etc.)

P927 (Raw Material/ Recycle System)
Raw material handling system that delivers material directly to back end of kiln.

P928 (Gypsum / Limestone handling system)
Hopper and conveyor, which feed to clinker handling system and storage silos.

P929 (Synthetic Gypsum Hopper)
Synthetic Gypsum Hopper and Conveyer

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. 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. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

RAPCA
117 South Main Street
Dayton, OH 45422-1280
(937) 225-4435

OHIO ENVIRONMENTAL PROTECTION AGENCY

_____

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. 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 A.III of Part III of this Title V permit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.
ii. The date(s) analyses were performed.
iii. The company or entity that performed the analyses.
iv. The analytical techniques or methods used.
v. The results of such analyses.
vi. 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:

i. **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 by January 31, April 30, July 31, and October 31 of each year in accordance with General Term and Condition A.1.c.ii below; and each report shall cover the previous calendar quarter.

In accordance with OAC rule 3745-15-06, a malfunction constitutes a violation of an emission limitation (or control requirement) and, therefore, 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))

ii. **Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Section A.IV of Part III of this Title V permit or, in some cases, in Part II 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 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 reports shall satisfy the requirements (in part) 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. OAC rule 3745-77-07(A)(3)(c) is not fully satisfied until the permittee addresses all other deviations of the federally enforceable requirements specified in the permit.

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 overrides the reporting requirements specified in this General 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 the requirements (in part) 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 General Term and Condition.

See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

iii. **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 General Term and Condition A.1.c.ii above shall be submitted in the following manner:**

Written reports that identify all other deviations of the federally enforceable requirements contained in this permit, including the monitoring, record keeping, and reporting requirements, which are not reported in accordance with General Term and Condition A.1.c.ii above shall be submitted 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.

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 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 General Term and Condition A.1.c.ii 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))

iv. 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))

v. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

2. 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 General Term and Condition A.1.c.i above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. 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))

4. 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))

5. 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))

6. 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 A.10 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.

(Authority for term: OAC rule 3745-77-07(A)(7))

7. 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))

8. 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))

9. 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 general terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

10. 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))

11. 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))

12. 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:

i. 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.

ii. 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.

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

iv. 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:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
ii. 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:

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

13. 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))

14. 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))

15. 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))

16. 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. 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))

17. 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.)

18. Insignificant Activities

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

19. 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))

20. 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))

21. 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 by the responsible official of the date on which the emissions unit was permanently shut down. Authorization to operate the affected part or activity of the stationary source shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

If 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 monitoring, record keeping, reporting, or testing 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.

B. *State Only Enforceable Section*

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

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 quarterly, i.e., 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.)

2. Records Retention Requirements

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.

3. 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.

4. 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).

5. 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.

6. Additional Reporting Requirements When There Are No Deviations of <u>Federally Enforceable</u> Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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 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 General Term and Condition A.1.c.ii;

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; and

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

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

1. The following rule is applicable to this facility: 40 CFR 63.1340 et seq. (Subpart LLL) [compliance date is June 14, 2002]

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 kiln and each in-line kiln raw mill, including alkali bypasses (including emissions unit P003) shall comply with the applicable emission limitations in 40 CFR 63 1643 and 1644;

b. each clinker cooler (including emissions unit P904) shall comply with the applicable emission limitations in 40 CFR 63 1645;

c. each raw mill;

d. each finish mill (including emissions unit P916) shall comply with the applicable emission limitations in 40 CFR 63 1647;

e. each raw material dryer;

f. each raw material, clinker, or finished product storage bin (including emissions units F104, P012, P013, P906, P907, P909, P912, P913, P918, P928, and P929) shall comply with the applicable emission limitations in 40 CFR 63 1648;

g. each conveying system transfer point (including emissions units P905, P910, P011, P014, P911, P914, P915, P917, P924, P925, P927) shall comply with the applicable emission limitations in 40 CFR 63 1648;

h. each bagging system (including emissions units P922, and P923) shall comply with the applicable emission limitations in 40 CFR 63 1648; and

i each bulk loading or unloading system (including emissions units F105, P919) shall comply with the applicable emission limitations in 40 CFR 63 1648.

2. 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)

3. In conjunction with A.1 and A.2 above, the permittee shall comply with the following monitoring and/or record keeping requirements:

A. State and Federally Enforcable Section (continued)

3.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 section A.4.a below, and shall include the following information:

i. procedures for proper operation and maintenance of the affected source and air pollution control devices in order to meet the emission limit specified in section A.1 above;

ii. corrective actions to be taken when required by section A.3.c below; and

iii. procedures to be used to periodically monitor the affected sources listed in section A.2 above. Such procedures must include the provisions specified in section A.3.b below.
40 CFR 63.1350(a), (j)

3.b The permittee shall perform the following:

i. 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.

ii. 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.

iii. 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.

iv. 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.

v. The requirement to conduct Method 22 visible emissions monitoring pursuant to sections A.3.a and A.3.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.

vi. 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 sections A.3.b.i through A.3.b.iv above for each such conveying system transfer point located within the building, or for the building itself (according to section A.3.b.vii). *

vii. If visible emissions from the building are monitored, the requirements of sections A.3.b.i through A.3.b.iv above 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.
40 CFR 63.1350(a)

A. State and Federally Enforcable Section (continued)

3.c The permittee shall monitor the finish mill 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:

i. initiate, within one-hour, the corrective actions specified in the O & M plan; and

ii. 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.
40 CFR 63.1350(e)

3.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 under this permit subject to the provisions of A.3.e through A.3.i below.

If the application to use an alternate monitoring requirement is approved, the permittee must continue to use the original monitoring requirement until approval is received to use another monitoring requirement.
40 CFR 63.1350(l)

3.e The Director will not approve averaging periods other than those specified in this section A.3, 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.
40 CFR 63.1350(l)(1)

3.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:

i. data or information justifying the request, such as the technical or economic infeasibility, or the impracticality of using the required approach;

ii. 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

iii. data or information documenting that the alternative monitoring requirements would provide equivalent or better assurance of compliance with the relevant emission standard.
40 CFR 63.1350(l)(3)

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:

i. notice of the information and findings upon which the intended disapproval is based; and

ii. 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.
40 CFR 63.1350(l)(4)

A. State and Federally Enforcable Section (continued)

3.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 submittal of an application, nor the Director's failure to approve or disapprove the application, relieves the permittee of the responsibility to comply with any provision of Subpart LLL under this permit.
40 CFR 63.1350(l)(5)

3.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 under this permit.
40 CFR 63.1350(l)(6)

3.j The requirements in section A.3.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 section A.3.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 section A.3.c, the permittee shall then comply with the requirements specified in sections A.3.k through A.3.s below.
40 CFR 63.1350(m)

3.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 grains 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 grains per actual cubic foot) or less.
40 CFR 63.1350(m)(1)

3.l The sensor on the BLDS must provide output of relative PM emissions.
40 CFR 63.1350(m)(2)

3.m The BLDS must have an alarm that will activate automatically when it detects a significant increase in relative PM emissions greater than a preset level.
40 CFR 63.1350(m)(3)

3.n The presence of an alarm condition should be clearly apparent to facility operating personnel.
40 CFR 63.1350(m)(4)

3.o For a positive-pressure fabric filter, each compartment or cell must 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.
40 CFR 63.1350(m)(5)

3.p All BLDS must be installed, operated, adjusted, and maintained so that they are based on the manufacturer's written specifications and recommendations. The US EPA recommends that where appropriate, 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).
40 CFR 63.1350(m)(6)

A. State and Federally Enforcable Section (continued)

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

i. adjust the range and the averaging period of the device; and

ii. establish the alarm set points and the alarm delay time.
40 CFR 63.1350(m)(7)

3.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.
40 CFR 63.1350(m)(8)

3.s The permittee must maintain and operate the fabric filter such that the bag leak detector alarm is not activated and 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 owner or operator 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 must 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.
40 CFR 63.1350(m)(9)

3.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):

i. all documentation supporting initial notifications and notifications of compliance status pursuant to 40 CFR 63.9;

ii. all records of applicability determination, including supporting analyses; and

iii. 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).
40 CFR 63.1355

4. In conjunction with A.1 and A.2 above, the permittee shall comply with the following reporting requirements:

4.a The permittee shall prepare, for each Subpart LLL affected source under this permit, a written operations and maintenance plan (O & M plan). The plan shall be submitted to the Director for review and approval, and shall meet the requirements of A.3.a above.

Failure to comply with any provision of the operations and maintenance plan shall be a violation of the standard.
40 CFR 63.1350(a), (b)

A. State and Federally Enforcable Section (continued)

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

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

ii. submit notification of opacity and visible emission observations required by section A.3 above in accordance with 40 CFR 63.6(h)(5) and 63.9(f).

iii. 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.

iv. submit notification of compliance status, as required by 40 CFR 63.9(h).
40 CFR 63.1353

4.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:

i. 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;

ii. as required by 40 CFR 63.10(d)(3), the permittee shall report the opacity results from tests required by A.5.c below;

iii. 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.
40 CFR 63.1354(b)(1) - (3)

4.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 source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source'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.
40 CFR 63.1354(b)(4)

4.e The permittee shall report any action taken during a startup, shutdown or malfunction (including actions taken during a malfunction) that is not consistent with the procedures in the startup, shutdown, and malfunction plan if the source exceeds the the relevant emissions standard. 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 within seven working days of the end of the event, certified by the owner or operator 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.
40 CFR 63.1354(b)(5)

4.f The permittee shall submit a summary report semiannually which 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 A.4.a above.
40 CFR 63.1354(b)(9)(v)

5. In conjunction with A.1 and A.2 above, the permittee shall comply with the following testing/ compliance demonstration requirements:

A. State and Federally Enforcable Section (continued)

5.a The permittee shall demonstrate initial compliance with the opacity standards using the test methods and procedures specified in section A.5.b and in 40 CFR 63.7. Performance test results shall be documented in complete test reports that contain the information required by items i through x 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:

i. a brief description of the process and the air pollution control system;

ii. sampling location description(s);

iii. a description of sampling and analytical procedures and any modifications to standard procedures;

iv. test results;

v. quality assurance procedures and results;

vi. records of operating conditions during the test, preparation of standards, and calibration procedures;

vii. raw data sheets for field sampling and field and laboratory analyses;

viii. documentation of calculations;

ix. all data recorded and used to establish parameters for compliance monitoring; and

x. any other information required by the test method.
40 CFR 63.1349(a)

5.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:

i. there are no individual readings greater than 10 percent opacity; and

ii. there are no more than three readings of 10 percent for the first 1-hour period.
40 CFR 63.1349(b)(2)

5.c The permittee shall conduct, or have conducted, emission testing for the Subpart LLL affected sources in accordance with the following requirements:

i. The emission testing shall be conducted by December 14, 2002 [in accordance with 40 CFR 63.7(a)(2)(ix)].

ii. The emission testing shall be conducted to demonstrate compliance with the allowable opacity limit(s).

iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rates: Method 9, 40 CFR, Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the US EPA and Ohio EPA.

iv. The test(s) shall be conducted while this emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

v. The test(s) shall be conducted in accordance with A.5.a and A.5.b above.

A. State and Federally Enforcable Section (continued)

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency.

6. In conjunction with A.1 and A.2 above, the permittee shall comply with the following miscellaneous requirements:

The permittee shall comply with all applicable requirements of 40 CFR 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.

7. In accordance with 40 CFR Part 63.1356, any affected source subject to the provisions of 40 CFR 63, Subpart LLL is exempted from any otherwise applicable new source perfromance standard in 40 CFR Part 60, Subpart F.

8. The paved and unpaved roadways at the Town Plant are locate in an "Appendix A" area as indicated in OAC rule 3745-17-08 and are subject to the the requirements of OAC rules 3745-17-07 and 3745-17-08.

The roadways and parking areas at the Quarry Plant are not located in "Appendix A" area as indicated by OAC rule 3745-17-08. However, the Director has determined that the fugitive particulate emissions from the Quarry Plant roadways and parking areas could contribute to violations of OAC rule 3745-15-07 and will need to comply with the requirements of OAC rules 3745-17-07 and 3745-17-08.

The applicable emissions limits for unpaved roadways and parking areas are:

i. As required by OAC rule 3745-17-07(B)(5) there shall be no visible particulate emissions from any unpaved roadway or parking area except for 13 minutes during any 60-minute period.

ii. As required by OAC rule 3745-17-08(B)(2) the permittee shall implement reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust from unpaved roadways and parking areas (see terms 8.c, 8.e, and 8.f).

iii. As required by OAC rule 3745-17-07(B)(4) there shall be no visible particulate emissions from any paved roadway or parking area except for 6 minutes during any 60-minute period.

iv. As required by OAC rules 3745-17-08(B)(8) and OAC rules 3745-17-08(B)(9) the permittee shall implement reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust from paved roadways and parking areas (see terms 8.d, 8.e, and 8.g).

A. State and Federally Enforcable Section (continued)

8.a The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

unpaved roadways:

all unpaved roadways

unpaved parking areas:

all unpaved parking areas

8.b The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways:

all paved roadways

paved parking areas:

all paved parking areas

8.c The permittee shall employ reasonably 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 water 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.

8.d The permittee shall employ reasonably 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 by sweeping and/or watering 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.

8.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.

8.f Any unpaved roadway or parking area, which 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.

8.g The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, 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.

8.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.

A. State and Federally Enforcable Section (continued)

8.i 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.

9. Monitoring and record keeping requirements for fugitive dust emissions from all roadways and parking areas:

9.a Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and each parking area in accordance with the following frequencies:

paved roadways and parking areas	minimum inspection frequency
All	daily

unpaved roadways and parking areas	minimum inspection frequency
All	daily

9.b 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.

9.c The permittee shall maintain records of the following information:

i. 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;

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

iii. the dates the control measures were implemented; and

iv. 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 9.d.iv shall be kept separately for the paved roadways and parking areas and 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.

10. Reporting requirements for fugitive dust emissions from all roadways and parking areas:

10.a The permittee shall submit deviation reports that identify all of the following occurrences:

i. 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

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

10.b The deviation reports shall be submitted in accordance with the reporting requirements of Section A.1.c. of the General Terms and Conditions of this permit.

11. Testing requirements for fugitive dust emissions from all roadways and parking areas:

A. State and Federally Enforcable Section (continued)

11.a Compliance with the emission limitations in OAC rules 3745-17-07(B)(4) and 3745-17-07(B)(5) shall be determined in accordance with the following method:

i. Emission Limitation: no visible particulate emissions from paved roadways except for 6 minutes during any 60-minute period

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(4).

ii. Emission Limitation: no visible particulate emissions from unpaved roadways except for 13 minutes during any 60-minute period

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(4).

12. The emissions units at the "Town Plant" are located in the City of Fairborn, which is an "Appendix A" area, as specified in OAC rule 3745-17-08. Therefore, the emissions units are subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

The emissions units at the "Quarry Plant" are located in (Bath Township) which is not "an Appendix A" area, as specified in OAC rule 3745-17-08. Therefore, (with the exception of the roadways and parking areas) the emissions units are not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

B. State Only Enforceable Section

1. The following insigificant emissions units are located at this facility.

Z006 - 2, 000-gallon waste water storage tank
Z007 - 2,000-gallon septic waste water storage tank
Z009 - 4,000-propylene glycol storage tank
Z010 - 10,000-gallon diesel storage tank
Z013 - solvent cleaner

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Roads & Parking Lots (Town Plant) (F102)

Activity Description: Paved, Unpaved and Chip & Dust Surfaces, Plant Roadways & Parking Areas

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Unpaved, Plant Roadways and Parking Areas	OAC rule 3745-17-07 (B)(5)	no visible particulate emissions except for 13 minutes during any 60-minute period
	OAC rule 3745-17-08(B)(2)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.I.2.d, f and g) See A.2.a below.
Paved Plant Roadways and Parking Areas	OAC rule 3745-17-07(B)(4)	no visible particulate emissions except for 6 minutes during any 60-minute period
	OAC rule 3745-17-08(B)(8), (B)(9)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.I.2.e, f and h) See A.2.a below.

2. Additional Terms and Conditions

2.a This emissions unit is located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2. Additional Terms and Conditions (continued)

2.b The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

unpaved roadways:

all unpaved roadways

unpaved parking areas:

all unpaved parking areas

2.c The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways:

all paved roadways

paved parking areas:

all paved parking areas

2.d The permittee shall employ reasonably 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 water 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.

2.e The permittee shall employ reasonably 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 by sweeping and/or watering 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.

2.f 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.

2.g Any unpaved roadway or parking area, which 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.

2.h The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, 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.

2. Additional Terms and Conditions (continued)

2.i 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.

2.j 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 3745-17-08.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and each parking area in accordance with the following frequencies:

paved roadways and parking areas	minimum inspection frequency
All	daily

unpaved roadways and parking areas	minimum inspection frequency
All	daily

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.

3. 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 4.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.

IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

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.

IV. Reporting Requirements (continued)

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method:

a. Emission Limitation: no visible particulate emissions from paved roadways except for 6 minutes during any 60-minute period

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(4).

b. Emission Limitation: no visible particulate emissions from unpaved roadways except for 13 minutes during any 60-minute period

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(4).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cement Storage Silos (Town Plant) (F104)

Activity Description: Cement Transfer to the North & South Silos, Town Plant

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
North and South Cement Silos, equipped with fabric filters	OAC rule 3745-17-07(B)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)(3)	See A.I.2.a and A.I.2.b.
	40 CFR Part 63 Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)	53.7 lbs PE/hr (based on Table I of OAC rule 3745-17-11) [see A.I.2.c]

2. Additional Terms and Conditions

2.a This emissions unit is located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall employ reasonably available control measures (RACM) at all times for the control of fugitive dust emissions associated with this emissions unit. The following control techniques shall be implemented to reduce fugitive dust emissions:

i. the use of an enclosure or hooding to minimize or eliminate visible PE of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and

ii. all PE captured within the silo enclosure shall be vented to the silo fabric filters.

2.c If the emissions testing required for this emissions unit demonstrates that the allowable emissions rate from Figure II is more stringent than 53.7 lbs/hour, the permittee shall comply with the more stringent limitation.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or 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.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive 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.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
53.7 lbs/hr PE

Applicable Compliance Method-
The permittee shall demonstrate compliance with the PE limitation above based on the test results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1).

1.c Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(3).

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE are: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

A PE test also shall be conducted at the inlet of the control device to determine the uncontrolled mass rate of emissions for the emissions unit, for purpose of determining the applicability of Figure II of OAC rule 3745-17-11. For this testing, Methods 1 - 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10) shall be employed.

V. Testing Requirements (continued)

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cement Bulk Loading (Town Plant) (F105)

Activity Description: Bulk Loading of Cement, Town Plant

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Cement Bulk Loader #1 with No. 1 Bulkloader Fabric Filter, SDC-A Fabric Filter, SDC-R Fabric Filter, SDC-B Fabric Filter, SDC-M Fabric Filter; Cement Bulk Loader No. 2 with E.D.C Fabric Filter and No. 2 Bulkloader W.D.C.; Cement Bulk Loader #3 with #3 Bulkloader Fabric Filter and #3 Spout D.C.	OAC rule 3745-17-07(B)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)(3)	0.030 grain PE per dry standard cubic foot or no visible PE from the stack, whichever is less stringent
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.

2. Additional Terms and Conditions

2.a This emissions unit is located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b OAC rules 3745-17-11 and 3745-17-07(A) are not applicable to this emissions unit because all the PE were fugitive at the time of installation (the emissions unit was installed 1955). In 1990, control equipment (fabric filters) was added. All the PE were captured and routed to the fabric filters. The PE captured and routed are subject to 0.03 grain/dscf, or no VEs from the stack, whichever is less stringent, pursuant to OAC rule 3745-17-08(B)(3), and any residual fugitive emissions are subject to the 20% opacity, as a 3-minute average, pursuant to OAC rule 3745-17-07(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the fabric filters 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the fabric filters 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.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive 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.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
Visible PE shall not exceed 20 percent opacity, as a 3-minute average.

Applicable Compliance Method-
Complaince shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

1.b Emission Limitation-
0.030 grain/dscf

Applicable Compliance Method-
If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with OAC rule 3745-17-03(B)(7).

1.c Emission Limitation-
No visible emissions

Applicable Compliance Method-
If required, complaince shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 22 of 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clinker Production (Quarry Plant) (P003)

Activity Description: Grinding of Raw Material and Pyroprocessing of this material. (Quarry Plant)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Cement Preheater/Kiln and Alkali Bypass	40 CFR, Part 63 Subpart LLL	Particulate emissions (PE) shall not exceed 0.30 lb/ton of feed (dry basis) to the kiln. Visible PE shall not exceed 20 percent opacity, as a six-minute average. Dioxins and furans (D/F) emissions shall not exceed 8.7 X 10E-11 gr/dscf [toxicity equivalents for dioxins and furans (TEQ)] corrected to seven percent oxygen; or 1.7 X 10E-10 gr/dscf (TEQ) corrected to seven percent oxygen, when the average of the performance test run averge temperatures at the inlet to the particulate matter control device is 400 degress Fahrenheit or less.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 63 Subpart LLL.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation specified by 40 CFR, Part 63, Subpart LLL.
	OAC rule 3745-18-35(I)	Sulfur dioxide (SO2) emissions shall not exceed 9.0 lbs/ton of clinker produced.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	OAC rule 3745-17-08(B)	See A.I.2.a.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-14-11	See A.I.2.b and A.I.2.c.

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b In accordance with OAC rule 3745-14-11 (B) and after April 30, 2004, the permittee shall not operate the kiln during May 1 through September 30, unless the permittee has installed and operates the kiln, during May 1 through September 30, with low-Nitrogen Oxides (NOx) burners, mid-kiln system firing, or alternative control techniques, subject to approval by the Director, that achieve at least the same emissions decreases as low-NOx burners or mid-kiln system firing.

2.c In accordance with OAC rule 3745-14-11 (D), the requirements of OAC rule 3745-14-11 shall not apply to the following periods of operation:

i. start-up and shutdown periods and periods of malfunction, not to exceed thirty-six consecutive hours; and

ii. regularly scheduled maintenance activities.

II. Operational Restrictions

1. The kiln shall operate such that the three-hour rolling average inlet temperature of the particulate matter control device (PMCD) and the alkali by-pass (PMCD) is no greater than the average temperature established during the most recent performance test that demonstrated that the emissions unit was in compliance.

2. The permittee shall only employ coal, virgin No. 2 fuel oil, petroleum coke, coke breeze and/or natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect or require the coal/petroleum coke/coke breeze supplier to collect a representative grab sample of each shipment of coal/petroleum coke/coke breeze that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the coal/petroleum coke/coke breeze sampling in accordance with ASTM method D2234, and analyze the coal/petroleum coke/coke breeze sample for sulfur content (percent by weight).

The analytical methods for sulfur content determination shall be: ASTM method D3177 or ASTM method D4239. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

2. 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 perfomed in accordance with ASTM method C114. Alternative equivalent methods may be used opon written approval by the appropriate Ohio EPA District Office or local air agency.

III. Monitoring and/or Record Keeping Requirements (continued)

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emissions rate (in lbs/mmBtu). (The sulfur dioxide emissions rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR, Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

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 coal/petroleum coke/coke breeze shipment burned, in pounds, and the virgin No. 2 fuel oil burned, in gallons, and the natural gas burned, in mm cu. ft.;

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

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

i. multiply the sulfur content of coal/petroleum coke/coke breeze by the number of pounds of coal/petroleum coke/coke breeze that were burned;

ii. multiply the sulfur content of virgin No. 2 fuel oil by the number of gallons of virgin No. 2 fuel oil that were burned;

iii. multiply the AP-42 emission factor of 0.6 lb SO2/mm cu. ft of natural gas burned by the amount of natural gas burned;

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

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

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

vii. calculate the total SO2 emissions, in pounds, as follows:

SO2 emissions (lbs/month) = [2* x [(i + ii + iii + iv) - (v + vi)]] x (1 - 0.846)**

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 SO2 since 1 lb-mole (32 lbs) of sulfur will yield 1 lb-mole (64 lbs) of SO2 (S + O2 ----> SO2).

III. Monitoring and/or Record Keeping Requirements (continued)

** Based on the most recent stack test conducted in March 2002 for this emissions unit , the addition of limestone to the raw material feed was shown to result in a control efficiency of 84.6% for SO2. The tested SO2 emission rate was 1.47 lbs SO2/ton of clinker produced, while the calculated SO2 emission rate (based on the coal/petroleum coke/coke breeze and virgin No. 2 fuel oil analyses) was 9.52 lbs SO2/ton of clinker produced.

Until another stack test is completed, a control efficiency of 84.6% shall be used to calculate the SO2 emission rates for this emissions unit.

5. The permittee shall use a continuous opacity monitoring system(s) (COMS) to demonstrate and monitor compliance with the 20% opacity standard.

The permittee shall calibrate, maintain, and continuously operate the COMS in compliance with the quality assurance procedures and requirements in 40 CFR, Part 63.1340 and the Performance Specification 1 in Appendix B of 40 CFR, Part 60.

6. The permittee shall conduct an inspection of the components of the combustion system of each kiln or in-line kiln raw mill at least once per year.

7. The permittee shall install, calibrate, maintain, and operate a particulate matter CEMS to demonstrate and monitor compliance with the particulate matter standard of 0.15 kg/Mg (0.30 lb/ton) dry raw material feed. However, compliance with the requirements in this section to install, calibrate, maintain and operate the PM CEMS is not required until such time that the USEPA promulgates all performance specifications and operational requirements applicable to PM CEMS.

8. In accordance with OAC rule 3745-14-11 (C)(2), the permittee shall produce and maintain records of the following:

a. the emissions, in pounds of NOx per ton of clinker produced from the kiln;

b. the date, time and duration of any startup, shutdown or malfunction of the cement kiln or the emissions monitoring equipment;

c. the results of any performance testing; and

d. the daily cement production from the kiln, in tons.

All records kept in compliance with OAC rule 3745-14-11 shall be kept on site for a minimum of two years and be made available to the Director upon request.

IV. Reporting Requirements

1. The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting all instances of stack opacity values in excess of the limitations specified in 40 CFR, Part 63, Subpart LLL, 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.

2. The permittee shall submit quarterly deviation (excursions) reports that identify all exceedances of the SO2 emission limitation of 9.0 lbs/ton of clinker produced, as calculated in accordance with section A.III of this permit. The deviation reports shall be submitted in accordance with the General Terms and Condition of this permit, paragraph A.I.c.

3. In accordance with OAC rule 3745-14-11 (C)(1)(a), and by May 1, 2004, the permittee shall submit to the Director and Administrator the identification number and type of each unit subject to the rule, the name and address of the plant where the unit is located, and the name and telephone number of the person responsible for demonstrating the compliance of the unit with OAC rule 3745-14-11.

4. In accordance with OAC rule 3745-14-11 (C)(1)(b), the permittee shall submit a report documenting the total NOx emissions from May 1 through September 30 of each year to the Director and Administrator by October 31 of each year beginning in 2004. The report shall be submitted by October 31 of each year.

V. Testing Requirements

1.a Emission Limitation-
0.30 lb PE/ton of feed (dry basis) to the kiln

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a 6-minute average.

Applicable Compliance Method:
The permittee shall demonstrate compliance with the visible emissions limitation in accordance with the record keeping requirements established in section A.III of the terms and conditions of this permit.

V. Testing Requirements (continued)

1.c Emission Limitations-
8.7 X 10E-11 gr dioxin/furans/dscf (TEQ), corrected to seven percent oxygen; or

1.7 X 10E-10 gr dioxin/furans/dscf (TEQ), corrected to seven percent oxygen, when the average of the performance test run averge temperatures at the inlet to the particulate matter control device is 400 degress Fahrenheit or less.

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable dioxin/furans limitations above based on the results of emission testing conducted in accordance with USEPA Method 23, 40 CFR, Part 60, Appendix A.

1.d Emission Limitation-
9.0 lbs SO2/ton of clinker produced

Applicable Compliance Method-
The permittee shall demonstrate compliance with the sulfur dioxide emission limitation above based on the record keeping requirements in section A.III and the results of emission testing conducted in accordance with USEPA Methods 1 - 4 and 6, 40 CFR, Part 60, Appendix A.

2. 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 within 2.5 years after permit issuance and within six months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE, dioxin/furans and SO2.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rates for PE and SO2 are:

i. for PE, Methods 1 - 5 of 40 CFR, Part 60, Appendix A;

ii. for SO2, Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A; and

iii. for dioxin/furans, Method 23 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

V. Testing Requirements (continued)

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

3. The permittee shall conduct or have conducted, emissions testing for this emissions unit in accordance with the following requirements:

a. The emissions testing shall be conducted to demonstrate initial compliance (completed in early 2002) and subsequent annual compliance with the performance requirements of section A.I.2.b. of this permit.

b. The test methods which shall be employed to demonstrate compliance with the performance requirements are Methods 1 - 4, 7, 7A, 7C, or 7E of 40 CFR, Part 60 Appendix A.

c. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clinker Handling (Quarry Plant) (P011)

Activity Description: Clinker Transport, Storage and Reclaim - Quarry Plant

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Enclosed Drag Conveyor (F166), Bucket Elevator (F168), Enclosed Drag Conveyor (F169), equipped with a Fabric Filter identified as F176	OAC rule 3745-31-05(A)(3) (PTI #08-2136)	11.5 lbs/day and 2.1 tons/yr of particulate emissions (PE) 0.030 grain of PE per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the stack See A.I.2.a.
	OAC rule 3745-17-07(B)(1)	See A.I.2.b.
	OAC rule 3745-17-08(B)	See A.1.2.b.
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The conveyor system shall be enclosed (covered). All captured PE shall be vented to a fabric filter system with a minimum control efficiency of 99.9%, by weight, for PE.

2.b This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
11.5 lbs/day PE

Applicable Compliance Method-
The daily allowable PE emission limit is based on the maximum grain loading of 0.03 gr/dscf multiplied by the maximum exhaust gas flow rate (1,850 dscf/minute) (from dust collector F176); by 60 minutes/hour and 24 hours/day; and divided 7,000 grains/pound.

1.b Emission Limitation-
2.1 tons/yr PE

Applicable Compliance Method-
As long as compliance with the daily emission limitation is maintained, compliance with the annual emission limitation shall be assumed (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.c Emission Limitation-
0.030 grain PE/dscf

Applicable Compliance Method-
Compliance shall be based on the results of stack testing conducted in accordance with U.S. EPA Reference Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.d Emission Limitation-
no visible emissions

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 22 of 40 CFR, Part 60, Appendix A.

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE are: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clinker Storage (Quarry Plant) (P012)

Activity Description: Stored Clinker in Concrete Silos (2), 4000 Ton Capacity (Each)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
2, 4000-ton clinker storage silos (F170A and F170B), equipped with a fabric filter identified as F172	OAC rule 3745-31-05(A)(3) (PTI #08-2136)	18.5 lbs/day and 3.4 tons/yr of particulate emissions (PE)
		0.030 grain of PE per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the stack
		See A.I.2.a.
	OAC rule 3745-17-07(B)(1)	See A.I.2.b.
	OAC rule 3745-17-08(B)	See A.1.2.b.
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The silos shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the point(s) of capture. All captured PE shall be vented to a fabric filter system with a minimum control efficiency of 99.9%, by weight, for PE.

2.b This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack 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.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
18.5 lbs/day PE

Applicable Compliance Method-
The daily allowable PE emission limit is based on the maximum grain loading of 0.03 gr/dscf multiplied by the maximum exhaust gas flow rate (3,000 dscf/minute) (from dust collector F172); by 60 minutes/hour and 24 hours/day; and divided 7,000 grains/pound.

V. Testing Requirements (continued)

1.b Emission Limitation-
3.4 tons/yr PE

Applicable Compliance Method-
As long as compliance with the daily emission limitation is maintained, compliance with the annual emission limitation shall be assumed (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.c Emission Limitation-
0.030 grain PE/dscf

Applicable Compliance Method-
Compliance shall be based on the results of stack testing conducted in accordance with U.S. EPA Reference Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation-
no visible emissions

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 22 of 40 CFR, Part 60, Appendix A.

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE are: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Hot Clinker Storage (Quarry Plant) (P013)

Activity Description: Stored Clinker in Concrete Silo, 1000 Ton Capacity

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
1000-ton concrete Silo, equipped with a baghouse identified as F173	OAC rule 3745-31-05(A)(3) (PTI #08-2136)	15.1 lbs/day and 2.8 tons/yr of particulate emissions (PE)
		0.030 grain of PE per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the stack
		See A.I.2.a.
	OAC rule 3745-17-07(B)(1)	See A.I.2.b.
	OAC rule 3745-17-08(B)	See A.1.2.b.
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The hot clinker storage shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the point(s) of capture. All captured PE shall be vented to a baghouse with a minimum control efficiency of 99.9%, by weight, for PE.

2.b This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the baghouse 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.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation-
15.1 lbs/day PE

Applicable Compliance Method-
The daily allowable PE emission limit is based on the maximum grain loading of 0.03 gr/dscf multiplied by the maximum exhaust gas flow rate (2,450 dscf/minute) (from dust collector F175); by 60 minutes/hour and 24 hours/day; and divided 7,000 grains/pound.

1.b Emission Limitation-
2.8 tons/yr PE

Applicable Compliance Method-
As long as compliance with the daily emission limitation is maintained, compliance with the annual emission limitation shall be assumed (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.c Emission Limitation-
0.030 grain PE/dscf

Applicable Compliance Method-
Compliance shall be based on the results of stack testing conducted in accordance with U.S. EPA Reference Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation-
no visible emissions

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 22 of 40 CFR, Part 60, Appendix A.

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE are: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

V. Testing Requirements (continued)

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clinker Reclaim (Quarry Plant) (P014)

Activity Description: Stored and Handled Clinker

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Vibrating Feeders, F177 (1-4), equipped with Fabric Filters F178 (1-4); Hooded Belt Conveyor, F181 Controlled by Fabric Filter 182A; Vibrating Feeder, F179, Controlled by Fabric Filter 182A	OAC rule 3745-31-05(A)(3) (PTI #08-2136)	40.8 lbs/day and 7.4 tons/yr of particulate emissions (PE)
		0.030 grain of PE per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the stack
		See A.I.2.a.
	OAC rule 3745-17-07(B)(1)	See A.I.2.b.
	OAC rule 3745-17-08(B)	See A.1.2.b.
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The vibrating feeders and belt conveyor shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the point(s) of capture. All captured PE shall be vented to a fabric filter system with a minimum control efficiency of 99.9%, by weight, for PE.

2.b This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack 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.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation-
40.8 lbs/day PE

Applicable Compliance Method-
The daily allowable PE emission limit is based on the maximum grain loading of 0.03 gr/dscf multiplied by the maximum exhaust gas flow rate (6,600 dscf/minute) (from dust collector F178 (1-4) and 182A); by 60 minutes/hour and 24 hours/day; and divided 7,000 grains/pound.

1.b Emission Limitation-
7.4 tons/yr PE

Applicable Compliance Method-
As long as compliance with the daily emission limitation is maintained, compliance with the annual emission limitation shall be assumed (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.c Emission Limitation-
0.030 grain PE/dscf

Applicable Compliance Method-
Compliance shall be based on the results of stack testing conducted in accordance with U.S. EPA Reference Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation-
no visible emissions

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 22 of 40 CFR, Part 60, Appendix A.

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE are: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

V. Testing Requirements (continued)

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Rock Crushing (Quarry Plant) (P901)

Activity Description: Rock Crushing and Conveying.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Limestone Crusher with Baghouse B10; Screen with Baghouse B49; Handling and Storage with Baghouse B37	OAC rule 3745-17-11(B)	73.9 lbs/hr particulate emissions (PE) (based on Table I of OAC rule 3745-17-11) [see A.I.2.c]
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-08(B)	See A.I.2.b.
	OAC rule 3745-17-07(B)(1)	See A.I.2.b.

2. Additional Terms and Conditions

2.a The 73.9 lbs/hr PE limitation is greater than the emissions unit's potential to emit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

2.b This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.c If the emissions testing required for this emissions unit demonstrates that the allowable emissions rate from Figure II is more stringent than 73.9 lbs/hour, the permittee shall comply with the more stringent limitation.

II. Operational Restrictions

1. The permittee shall operate and maintain a water spray system in the dumping pit and plastic strip curtains at the tunnel entrance/exit at all times when this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit and (b) describe any corrective actions taken to minimize or 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
73.9 lbs/hr PE

Applicable Compliance Method-
The permittee shall demonstrate compliance with the PE limitation above based on the test results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

Compliance with the hourly allowable PE limitation may also be determined by multiplying the maximum quantity of limestone processed, 750 tons/hr, by the emission factor of 0.001249 lb PE/ton of limestone crushed.

* This emission factor is the sum of the AP-42, Table 11.6-4 (revised 1/95) emission factors for the following operations:

i. limestone crushing with a fabric filter of 0.0010 lb/ton;

ii. limestone screening with a fabric filter of 0.00022 lb/ton; and

iii. limestone transfer with a fabric filter of 0.000029 lb/ton.

V. Testing Requirements (continued)

1.b Emission Limitation-
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE are: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

A PE test also shall be conducted at the inlet of each control device to determine the uncontrolled mass rate of emissions for the emissions unit, for purpose of determining the applicability of Figure II of OAC rule 3745-17-11. For this testing, Methods 1 - 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10) shall be employed.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clay Transfer (Quarry Plant) (P902)

Activity Description: Reclaimed rock, clay crushing and additive bin storage

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Belt Conveyors and Clay Crusher, Area B100, equipped with Baghouse B116; Additive Bins in Area C equipped with Baghouses C5 and C38; Iron Dust Bin in Area C Controlled by Baghouse C58	OAC rule 3745-31-05(A)(3) (PTI # 08-834)	0.030 grain of particulate emissions (PE) per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the stack
		23.64 tons/yr PE
		See A.I.2.b.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	OAC rule 3745-17-08(B)	See A.I.2.a.
	40 CFR Part 60, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The belt conveyors, clay crusher, and additive bins in areas B100 and C shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the point(s) of capture. All captured PE shall be vented to the baghouses identified above.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouses 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the baghouses 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.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation-
23.64 tons/yr PE

Applicable Compliance Method-
Compliance may be determined as follows:

i. multiply the AP-42 emission factor for the raw mill feed belt of 0.0031 lb PE/ton, Table 11.6-4 (revised 1/95), by the maximum amount of material transferred (tons/yr), and then divide by 2000;

ii. multiply the AP-42 emission factor for raw mill of 0.012 lb PE/ton, from Table 11.6-4 (revised 1/95), by the maximum amount of material processed in the clay crusher (tons/yr), and then divide by 2000;

iii. multiply the RACM emission factor for raw material storage of 0.05 lb PE/ton, Table 2.13-2, by the maximum annual production (1,144,920 tons/yr), and then divide by 2000; and

iv. sum i + ii + ii, and then multiply the result by a control factor of (1 - 0.999).*

* the control efficiency for the fabric filter dust collection system is assumed to of 99.9%.

1.b Emission Limitation-
0.030 gr PE/dscf

Applicable Compliance Method-
Compliance with PE limitation above shall be based on stack testing conducted in accordance with EPA Reference Methods 1 through 5 of 40 CFR, Part 60, Appendix A..

1.d Emission Limitation-
no visible emissions

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 22 of 40 CFR, Part 60, Appendix A.

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE are: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

V. Testing Requirements (continued)

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clinker Cooling (Quarry Plant) (P904)

Activity Description: Cooling of Clinker from the Kiln

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Clinker Cooling, Quarry Plant, equipped with a baghouse identified as F47	40 CFR, Part 63, Subpart LLL	0.10 lb particulate emissions (PE)/ton of material feed (dry basis) 10 percent opacity, as a six-minute average See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 63, Subpart LLL.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by 40 CFR, Part 63, Subpart LLL.
	OAC rule 3745-17-08(B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the baghouse 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
0.10 lb/ton of material feed (dry basis)

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

1.b Emission Limitation-
10% opacity, as a 6-minute average

Applicable Compliance Method
If required, compliance shall be determined by visible emission evaluations performed in accordance with the procedures specified in U.S. EPA Reference Method 9 of 40 CFR, Part 60, Appendix A.

2. 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 within 2.5 years after permit issuance and within six months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE are: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

V. Testing Requirements (continued)

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

1. The permittee installed this emissions unit in 1974 without first applying for and obtaining a permit to install (PTI), in violation of Chapter 3745-31 of the Ohio Administrative Code. Therefore, as the initial step for this emissions unit to achieve compliance with the applicable requirements, the permittee shall submit a complete permit to install application within 2 months following the issuance of this permit. (This has been completed.)

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Coal Reclaim (Quarry Plant) (P906)

Activity Description: Coal Crushing

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Coal crusher (F242), equipped a fabric filter identified as F274	40 CFR Part 63 Subpart LLL	10% opacity, as a 6-minute average See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-11(B)	25.2 lbs/hr particulate emissions (PE) (based on Table I of OAC rule 3745-17-11) [see A.I.2.c]
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by 40 CFR, Part 63, Subpart LLL.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	OAC rule 3745-17-08(B)	See A.I.2.a.

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The 25.2 lbs/hr PE limitation is greater than the emissions unit's potential to emit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

2.c If the emissions testing required for this emissions unit demonstrates that the allowable emissions rate from Figure II is more stringent than 25.2 lbs/hour, the permittee shall comply with the more stringent limitation.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the fabric filter 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the fabric filter 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
25.2 lbs/hr PE

Applicable Compliance Method-
The permittee shall demonstrate compliance with the PE limitation above based on the test results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

1.b Emission Limitation-
10% opacity, as 6-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with USEPA Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

A PE test also shall be conducted at the inlet of the control device to determine the uncontrolled mass rate of emissions for the emissions unit, for purpose of determining the applicability of Figure II of OAC rule 3745-17-11. For this testing, Methods 1 - 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10) shall be employed.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

1. The permittee installed this emissions unit in 1974 without first applying for and obtaining a permit to install (PTI), in violation of Chapter 3745-31 of the Ohio Administrative Code. Therefore, as the initial step for this emissions unit to achieve compliance with the applicable requirements, the permittee shall submit a complete permit to install application within 2 months following the issuance of this permit. (This has been completed.)

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Blending (Quarry Plant) (P907)

Activity Description: Blending of Kiln Feed

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Blending Silo (E1), controlled by a fabric filter system identified as E2, an enclosed screw conveyor, and a belt conveyor controlled by a fabric filter identified as E22	40 CFR Part 63 Subpart LLL	10% opacity, as a 6-minute average See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-11(B)	55.4 lbs/hr particulate emissions (PE) (based on Table I of OAC rule 3745-17-11) [see A.I.2.c]
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by 40 CFR, Part 63, Subpart LLL.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	OAC rule 3745-17-08(B)	See A.I.2.a.

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The 55.4 lbs/hr PE limitation is greater than the emissions unit's potential to emit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

2.c If the emissions testing required for this emissions unit demonstrates that the allowable emissions rate from Figure II is more stringent than 55.4 lbs/hour, the permittee shall comply with the more stringent limitation.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
55.44 lbs/hr PE

Applicable Compliance Method-
The permittee shall demonstrate compliance with the PE limitation above based on the test results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

Compliance may also be determined by multiplying the maximum capacity of the equipment (15 tons/hr) by the RACM emission factor of 0.05 lb PE/ton, Table 2.13-2, and then by a control factor of (1 - 0.95).*

* the control efficiency of the fabric filter is assumed to 95%

1.b Emission Limitation-
10% opacity, as 6-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with USEPA Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

A PE test also shall be conducted at the inlet of the control device to determine the uncontrolled mass rate of emissions for the emissions unit, for purpose of determining the applicability of Figure II of OAC rule 3745-17-11. For this testing, Methods 1 - 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10) shall be employed.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Coal Unloading (Quarry Plant) (P909)

Activity Description: Coal unloaded into hoppers and conveyed to storage

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Coal Unloading Area F-200 (enclosed area and underground hoppers), and Partially Enclosed Conveyors (Quarry Plant)	40 CFR Part 63 Subpart LLL	10% opacity, as a 6-minute average See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	OAC rule 3745-17-08(B)	See A.I.2.a.

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation-
10% opacity, as 6-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with USEPA Method 9 of 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Raw Material Unloading & Storage (Quarry Plant) (P911)

Activity Description: Handled Clinker

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Raw Material Unloading and Storage which includes K352 hopper, K303 feed bin, K304 feed bin, K362 fabric filter, K371 fabric filter, K355 vibratory feeder, and K122 belt conveyor	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 grain particulate emissions (PE)/dscf of exhaust gases from the fabric filters, K362 and K371 1.02 lbs/hr, 24.49 lbs/day, 4.47 tons/yr PE, including fugtive dust emissions Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Visible emissions from each fabric filter stack shall not exceed 5% opacity, as a 6-minute average. See A.I.2.b.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

2.c The raw material unloading and storage shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the points of capture. All captured PE shall be vented to a fabric filter system.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 gr/dscf of exhaust gases from the fabric filters, K362 and K371

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
1.02 lbs/hr, including fugitive dust emissions

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Also, the hourly allowable PE limitation was established as follows:

i. for stack emissions - multiply the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (3,500 dscf/minute) (from dust collectors K362 and K 371, combined), and by 60, and then divide by 7000;

ii. for fugitive emissions - multiply the maximum hourly production rate (tons/hr) by the emission factor for fugitive PE of 0.035 lb PE/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83)); and

iii. sum i + ii.

1.c Emission Limitation-
24.49 lbs/day PE, including fugitive dust emissions

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
4.47 tons/yr PE, including fugitive dust emissions

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.e Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

1.f Emission Limitation-
Visible emissions from the stack shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clinker Dome Storage (Quarry Plant) (P912)

Activity Description: Stored Clinker

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Clinker Dome Storage which includes F109 pan conveyor, F111 clinker dome, F107 fabric filter, F117 fabric filter, and F124A fabric filter	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 gr particulate emissions (PE)/dscf of exhaust gases from the fabric filters, F107, F117, and F124 3.95 lbs/hr, 94.90 lbs/day, 17.32 tons/yr PE, including fugitive dust Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Visible emissions from each dust collector stack shall not exceed 5% opacity, as a 6-minute average. See A.I.2.b.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

2.c The clinker dome storage shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the points of capture. All captured PE shall be vented to a fabric filter system.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 gr particulate emissions (PE)/dscf of exhaust gases from the fabric filters, F107, F117 and F124

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
3.95 lbs/hr, including fugitive dust emissions

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Also, the hourly allowable PE limitation was established as follows:

i. for stack emissions - multiply the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (11,200 dscf/minute) (from dust collectors F107, F117 and F124A, combined), and by 60, and then divide by 7000;

ii. for fugitive emissions -

(a) multiply the maximum hourly production rate (tons/hr) (for clinker transferred to the dome) by the emission factor for fugitive PE of 0.15 lb PE/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83);

(b) multiply the maximum hourly production rate (tons/hr) (for clinker transferred out of the dome) by the emission factor for fugitive PE of 0.15 lb PE/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83)), and multiply by a control factor of (1 - 0.95);*

(c) sum (a) + (b); and

iii. sum i + ii.

* a capture efficiency of 95% is assumed for clinker transferred out of the dome

1.c Emission Limitation-
94.90 lbs/day PE, including fugitive dust emissions

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
17.32 tons/yr PE, including fugitive dust

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.e Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

1.f Emission Limitation-
Visible emissions from the stack shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clinker Bin Storage (Quarry Plant) (P913)

Activity Description: Stored Clinker

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Clinker Bin Storage which includes K108 belt conveyor, K301 feed bin, K302 feed bin, K121 belt conveyor, K112 fabric filter, K107 fabric filter, K109 fabric filter, F119A belt conveyor, K110 bucket elevator, and F133 fabric filter	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 gr particulate emissions (PE)/dscf of exhaust gases from the fabric filters 3.01 lbs/hr, 72.27 lbs/day, 13.19 tons/yr PE, including fugitive dust Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Visible emissions from each dust collector stack shall not exceed 5% opacity, as a 6-minute average. See A.I.2.b.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

2.c The clinker bin storage shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the points of capture. All captured PE shall be vented to a fabric filter system.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 gr PE/dscf of exhaust gases from the fabric filters

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
3.01 lbs/hr, including fugitive dust emissions

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Also, the hourly allowable PE limitation was established as follows:

i. for stack emissions - multiply the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (6,400 dscf/minute) (from dust collectors K107, K109, K112 and F133, combined), and by 60, and then divide by 7000;

ii. for fugitive emissions -

(a) multiply the maximum hourly production rate (tons/hr) (for rock and gypsum transferred to the bucket elevator) by the emission factor for fugitive PE of 0.035 lb/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83), and by a control factor of (1 - 0.90);*

(b) multiply the maximum hourly production rate (tons/hr) (for rock and gypsum transferred to the clinker bins) by the emission factor for fugitive PE of 0.035 lb PE/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83)), and multiply by a control factor of (1 - 0.95);**

(c) multiply the maximum hourly production rate (tons/hr) (for clinker transferred to the bins) by the emission factor for fugitive PE of 0.15 lb PE/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83)), and multiply by a control factor of (1 - 0.95);***

(d) sum (a) + (b) + (c); and

iii. sum i + ii.

* a capture efficiency of 90% is assumed for rock and gypsum transferred to the bucket elevator

** a capture efficiency of 95% is assumed for rock and gypsum transferred to the clinker bins

*** a capture efficiency of 95% is assumed for clinker transferred to the bins

1.c Emission Limitation-
72.27 lbs/day PE, including fugitive dust emissions

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
13.19 tons/yr PE, including fugitive dust

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

V. Testing Requirements (continued)

1.e Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

1.f Emission Limitation-
Visible emissions from the stack shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Feed Bin Extraction Quarry Plant) (P914)

Activity Description: Clinker Extraction

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Feed Bin Extraction, K331 belt conveyor, K332 belt conveyor, K333 belt conveyor, K334 belt conveyor, K411 fabric filter, K412 fabric filter, and K413 fabric filter	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 gr particulate emissions (PE)/dscf of exhaust gases from the fabric filters 3.19 lbs/hr, 76.66 lbs/day, 13.99 PE, including fugitive dust Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Visible emissions from each dust collector stack shall not exceed 5% opacity, as a 6-minute average. See A.I.2.b.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

2.c The feed bin extraction (including all the conveyors) shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the points of capture. All captured PE shall be vented to a fabric filter system.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 gr PE/dscf of exhaust gases from the fabric filters

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
3.19 lbs/hr, including fugitive dust emissions

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Also, the hourly allowable PE limitation was established as follows:

i. for stack emissions - multiply the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (7,600 dscf/minute) (from dust collectors K411, K412 and K113, combined), and by 60, and then divide by 7000;

ii. for fugitive emissions -

(a) multiply the maximum hourly production rate (tons/hr) (for rock and gypsum handled) by the emission factor for fugitive PE of 0.035 lb/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83), and by a control factor of (1 - 0.95);*

(b) multiply the maximum hourly production rate (tons/hr) (for clinker handled) by the emission factor for fugitive PE of 0.15 lb PE/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83)), and multiply by a control factor of (1 - 0.95);**

(c) sum (a) + (b); and

iii. sum i + ii.

* a capture efficiency of 95% is assumed for rock and gypsum handled

** a capture efficiency of 95% is assumed for clinker handled

1.c Emission Limitation-
76.66 lbs/day PE, including fugitive dust emissions

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
13.99 PE, including fugitive dust

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.e Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

1.f Emission Limitation-
Visible emissions from the stack shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

2. 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 within 3 months after permit issuance and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Lime Storage & Transport (Quarry Plant) (P915)

Activity Description: Stored Lime

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Lime Storage and transport which includes, K305 Lime storage silo, K315 fabric filter	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 gr particulate emissions (PE)/dscf of exhaust gases from fabric filter 0.26 lb/hr, 6.19 lbs/day, 1.13 tons/yr PE (from the stack) Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Visible emissions from each dust collector stack shall not exceed 5% opacity, as a 6-minute average. See A.I.2.b.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

2.c The emissions unit shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the points of capture. All captured PE shall be vented to a fabric filter system.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 gr PE/dscf of exhaust gases from the dust collector

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
0.26 lb/hr (from the stack)

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Aslo, the hourly allowable PE limitation was established by multiplying the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (1500 dscf/minute) (from dust collector K315), and by 60, and then dividing by 7000.

1.c Emission Limitation-
6.19 lbs/day PE, including fugitive dust emissions

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
1.13 tons/yr PE, including fugitive dust

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.e Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

1.f Emission Limitation-
Visible emissions from the stack shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Finish Mill Grinding (Quarry Plant) (P916)

Activity Description: Grinding Mill

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Finish Mill Grinding; Ball Mill and Separator which includes K501 ball mill, K521 airslide conveyor, K522 mill bucket elevator, K525 airslide conveyor, K531 separator, K535 airslide conveyor, K516 screw conveyor, K560 airslide conveyor, K551 airslide conveyor, K552 airslide conveyor, K511 mill fabric filter, K541 separator fabric filter I, K542 separator fabric filter II, K571 fringe bin, K577 screw conveyor, K581 bulk loadout spout, K580 airslide conveyor, K576 fabric filter, K523 fabric filter	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 gr particulate emissions (PE)/dscf of exhaust gases from the fabric filters, K511, K541, K542, K576, and K523 26.38 lbs/hr, 633.10 lbs/day, 115.54 tons/yr PE Visible emissions from the stack shall not exceed 10% opacity, as a 3-minute average. See A.I.2.a.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 gr PE/dscf of exhaust gases from the fabric filters

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
26.38 lbs/hr

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Also, the hourly allowable PE limitation was established as follows:

i. multiply the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (151,700 dscf/minute) (from fabric filters K511, K541, K542, K576 and K523, combined), and by 60, and then divide by 7000.

1.c Emission Limitation-
633.10 lbs/day PE

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
115.54 tons/yr PE

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.e Emission Limitation-
Visible emissions from the stack shall not exceed 10% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

V. Testing Requirements (continued)

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Finish Mill to Silos (Quarry Plant) (P917)

Activity Description: Cement Conveying

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Cement Transport which includes K565 airslide conveyor, L201 bucket elevator, L215 airslide conveyor, L205 fabric filter, and L206 fabric filter	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 grain particulate emissions (PE)/dscf of exhaust gases from the fabric filters 1.61 lbs/hr, 38.52 lbs/day, 7.03 tons/yr PE, including fugitive dust Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Visible emissions from each dust collector stack shall not exceed 5% opacity, as a 6-minute average. See A.I.2.b.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

2.c The emissions unit shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the points of capture. All captured PE shall be vented to a fabric filter system.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 grain PE/dscf of exhaust gases from the fabric filters

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
1.61 lbs/hr, including fugitive dust emissions

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A and the fugitive emissions calculated in accordance with the equations below.

Also, the hourly allowable PE limitation was established as follows:

i. for stack emissions - multiply the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (3,300 dscf/minute) (from dust collectors K205 and L206, combined), and by 60, and then divide by 7000;

ii. for fugitive emissions - multiply the maximum hourly production rate (tons/hr) (for cement handled) by the emission factor for fugitive PE of 0.27 lb/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83), and by a control factor of (1 - 0.99); and *

iii. sum i + ii.

* a capture efficiency of 99% is assumed for the cement handled

1.c Emission Limitation-
38.52 lbs/day PE, including fugitive dust emissions

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
7.03 tons/yr PE, including fugitive dust

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.e Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

1.f Emission Limitation-
Visible emissions from the stack shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cement Storage in Silos (Quarry Plant) (P918)

Activity Description: Stored Cement

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Cement Storage Silos which include cement silos (L301 to L308), airslide conveyors (L221A to L228A) and the fabric filters (L211)	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 grain particulate emissions (PE)/dscf of exhaust gases from the fabric filters 1.75 lbs/hr, 42.08 lbs/day, 7.68 tons/yr PE, including fugitive dust Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Visible emissions from each fabric filter stack shall not exceed 5% opacity, as a 6-minute average. See A.I.2.b.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

2.c The emissions unit shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the points of capture. All captured PE shall be vented to a fabric filter system.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 grain PE/dscf of exhaust gases from the fabric filters

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
1.75 lbs/hr, including fugitive dust emissions

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Also, the hourly allowable PE limitation was established as follows:

i. for stack emissions - multiply the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (8,250 dscf/minute) (from dust collector L211), and by 60, and then divide by 7000;

ii. for fugitive emissions - multiply the maximum hourly production rate (tons/hr) (for cement handled) by the emission factor for fugitive PE of 0.27 lb/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83), and by a control factor of (1 - 0.99); and *

iii. sum i + ii.

* a capture efficiency of 99% is assumed for the cement handled

1.c Emission Limitation-
42.08 lbs/day PE, including fugitive dust emissions

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
7.68 tons/yr PE, including fugitive dust

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.e Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

1.f Emission Limitation-
Visible emissions from the stack shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bulk Cement Loading (Quarry Plant) (P919)

Activity Description: Bulk Loading Equipment

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Bulk Cement Loading which includes airslide conveyors, L3321A to L326A, L331A, and L332A, loading spouts, L401 and L402, and fabric filters L411and L412	OAC rule 3745-31-05(A)(3) PTI #08-3072	0.020 gr particulate emissions (PE)/dscf of exhaust gases from the fabric filters 1.40 lbs/hr, 33.59 lbs/day, 6.13 tons/yr PE, including fugitive dust Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average. Visible emissions from each fabric filter stack shall not exceed 5% opacity, as a 6-minute average. See A.I.2.b.
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	See A.I.2.a.
	OAC rule 3745-17-07(B)	See A.I.2.a.
	40 CFR Part 63, Subpart LLL	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See Part II - Specific Facility Terms and Conditions.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established by OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitation specified in OAC rule 3745-17-07(B).

2.b The permittee shall comply with the preventative maintenance and malfunction abatement plan as required in PTI #08-3072.

2.c The emissions unit shall be adequately enclosed such that the collection efficiency is sufficient to eliminate visible particulate emissions of fugitive dust at the points of capture. All captured PE shall be vented to a abric filter system.

II. Operational Restrictions

1. This facility shall not exceed an annual cement (finished product) production limit of 1,105,104 tons/rolling, 365-day period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:

a. the amount of cement (finished product) produced, in tons; and

b. the rolling, 365-day cement production summation of the daily cement production rates, in tons.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions at the points of capture associated with this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 365-day cement production limitation of 1,105,104 tons. These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports that summarize the actual annual cement production rate for this emissions unit . The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed at the points of capture associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the 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.

V. Testing Requirements

1. Compliance with the emission limitation(s) specified in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

1.a Emission Limitation-
0.020 gr PE/dscf of exhaust gases from the dust collectors

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation-
1.40 lbs/hr, including fugitive dust emissions

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Also, the hourly allowable PE limitation was established as follows:

i. for stack emissions - multiply the maximum grain loading of 0.020 gr PE/dscf by the maximum exhaust gases flow rate (5,776 dscf/minute) (from dust collectors L411 and L412, combined), and by 60, and then divide by 7000;

ii. for fugitive emissions - multiply the maximum hourly production rate (tons/hr) (for cement handled) by the emission factor for fugitive PE of 0.27 lb/ton (from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (9/83), and by a control factor of (1 - 0.99); and *

iii. sum i + ii.

* a capture efficiency of 99% is assumed for the cement handled

1.c Emission Limitation-
33.59 lbs/day PE, including fugitive dust emissions

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the daily PE limitation shall be ensured (the daily limitation was determined by multiplying the hourly limitation by 24).

1.d Emission Limitation-
6.13 tons/yr PE, including fugitive dust

Applicable Compliance Method-
As long as compliance with the daily PE limitation is maintained, compliance with the annual PE limitation shall be ensured (the annual limitation was determined by multiplying the daily limitation by 365, and then dividing by 2000).

1.e Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

1.f Emission Limitation-
Visible emissions from the stack shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Packing Machines (Town Plant) (P922)

Activity Description: Cement Packaging - Packers 1, 2, 3, & 4; Town plant

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
St. Regis Bag Packing Machine #2, equipped with a fabric filter identifed as MAC Equipment Co. No. 2 Packhouse fabric filter; St. Regis Bag Packing Machine #3, equipped with a fabric filter identifed as Hopps Mfg. Richmortar 4th Floor fabric filter;	OAC rule 3745-17-07(B)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)(3)	0.030 grain of particulate emissions (PE) per dry standard cubic foot (gr/dscf) of exhaust gases from the fabric filters, or there shall be no visible emissions from the fabric filter outlets, whichever is less stringent See A.I.2.a and A.I.2.b.
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.

2. Additional Terms and Conditions

2.a This emissions unit is located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitation specified in OAC rule 3745-17-07(B).

2. Additional Terms and Conditions (continued)

2.b The permittee shall employ reasonably available control measures (RACM) at all times for the control of fugitive dust emissions associated with this emissions unit. The following control techniques shall be implemented to reduce fugitive dust emissions:

i. the use of an enclosure around the bag packing machines and the use of hooding to minimize or eliminate visible PE of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and

ii. all fugitive dust captured within the building enclosure shall be vented to the fabric filters on each bag packing machine. The control equipment shall achieve an outlet emission rate of not greater than 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases or there are no visible particulate from the exhaust stack(s),

2.c The Title V permit application submitted indicated that this emissions unit was installed in 1925 and modified in 1993. However, it appears that the modification involved only the installation of the fabric filters. Therefore, no permit to install application is required. Furthermore, prior to the installation of the control equipment, it appears that all emissions emitted from this emissions unit were fugitive. Therefore, OAC rules 3745-17-08(B)(3) and 3745-17-07(B) are the only applicable rules to this emissions unit.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the fabric filters 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit, and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive 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.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the fabric filters 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.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
0.030 grain/dscf PE

Applicable Compliance Method-
Complaince shall be determined in accordance with U.S. EPA Reference Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation-
no visible emissions

Applicable Compliance Method-
If required, complaince shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 22 of 40 CFR, Part 60, Appendix A.

1.c Emission Limitation-
Visible PE shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method-

If required, complaince shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Richmortar Packer (Town Plant) (P923)

Activity Description: Cement Packaging - Richmortar Packer; Town Plant

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Colored Richmortar Packer controlled by fabric filters identified as Colored Richmortar No. 2 and Colored Richmortar No. 3	OAC rule 3745-17-07(B)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)(3)	See A.I.2.a and A.I.2.b.
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-07(A)	Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)	29.2 lbs PE/hr (based on Table I of OAC rule 3745-17-11) [see A.I.2.c]

2. Additional Terms and Conditions

2.a This emissions unit is located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

2.b The permittee shall employ reasonably available control measures (RACM) at all times for the control of fugitive dust emissions associated with this emissions unit. The following control techniques shall be implemented to reduce fugitive dust emissions:

i. the use of an enclosure around the colored richmortar packer and the use of hooding to minimize or eliminate visible PE of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and

ii. all fugitive dust captured within the enclosure shall be vented to the baghouses on each bag packing machine.

2.c If the emissions testing required for this emissions unit demonstrates that the allowable emissions rate from Figure II is more stringent than 29.2 lbs/hour, the permittee shall comply with the more stringent limitation.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the fabric filters 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit, and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive 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.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the fabric filters serving this emissions unit and (b) describe any corrective actions taken to minimize or 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.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
29.2 lbs PE/hr

Applicable Compliance Method-
The permittee shall demonstrate compliance with the PE limitation above based on the test results of stack testing conducted in accordance with OAC rule 3745-17-03(B)(10).

The permittee may also demonstrate compliance with the hourly allowable PE limitation by multiplying maximum hourly production rate (tons/hr) by the emission factor of 0.01 lb/ton (from the RACM document, Table 2.13-3), and then multiplying by a control factor of (1 - 0.99).*

* the control efficiency of the dust collectors (baghouse) is assumed to be 99%

1.b Emission Limitation-
Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method-
Complaince shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR, Part 60, Appendix A.

1.c Emission Limitation-
Visible PE shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method-

If required, complaince shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

A PE test also shall be conducted at the inlet of the control device to determine the uncontrolled mass rate of emissions for the emissions unit, for purpose of determining the applicability of Figure II of OAC rule 3745-17-11. For this testing, Methods 1 - 5 of 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10) shall be employed.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

1. The permittee installed this emissions unit in 1976 without first applying for and obtaining a permit to install (PTI), in violation of Chapter 3745-31 of the Ohio Administrative Code. Therefore, as the initial step for this emissions unit to achieve compliance with the applicable requirements, the permittee shall submit a complete permit to install application within 3 months following the issuance of this permit.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Pneumatic Conveying System (Town Plant) (P924)

Activity Description: Pneumatic Conveying System for Cement Transfers; Town Plant

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Pnuematic Conveying system for cement transfers from trucks to the silos at the Town Plant, with fabric filter	OAC rule 3745031-05(A)(3) PTI # 08-3382	0.02 grain particulate emissions (PE)/dscf of exhaust gas from fabric filter S111 1.48 lbs/hr and 6.48 tons per year (TPY) PE Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average
	OAC rule 3745-17-08(B)(3)	See A.I.2.a and A.I.2.b.
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions
	OAC rule 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The visible emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a This emissions unit is located in an Appendix A area, as specified in OAC rule 3745-17-08, and as such it is subject to RACM in OAC rule 3745-17-08(B) and the visible emission limitation in OAC rule 3745-17-07(B).

2. Additional Terms and Conditions (continued)

2.b The permittee shall employ reasonably available control measures (RACM) at all times for the control of fugitive dust emissions associated with this emissions unit. The following control techniques shall be implemented to reduce fugitive dust emissions:

i. the use of an enclosure or hooding to minimize or eliminate visible PE of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and

ii. all fugitive dust captured within the building enclosure shall be vented to fabric filters on the cement storage silos.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack 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 color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack 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.

IV. Reporting Requirements (continued)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit, and (b) describe any corrective actions taken to eliminate the visible fugitive 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.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
1.48 lbs PE/hour

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

Also, the hourly allowable PE limit is based on the maximum grain loading 0.02 gr/dscf multiplied by the maximum exhaust flow rate (8,660 dscf/minute) (for the fabric filters on the cement storage collectors) and by 60 minutes/hour, and then divided by 7,000 grains per pound.

1.b Emission Limitation-
6.48 tons/year PE

Applicable Compliance Method-
As long as compliance with the hourly emisssions limited is maintained compliance with the annual emissions limitation shall be assumed. The annual emissions limt was determined by multiplying the hourly limitation 8,760 hours/year and dividing by 2,000 pounds per ton

1.c Emission Limitation-
0.020 grain/dscf

Applicable Compliance Method-
The permittee shall demonstrate compliance with the allowable PE limitation based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR, Part 60, Appendix A.

1.d Emission Limitation-
Visible emissions of fugitive dust shall not exceed 5% opacity, as a 3-minute average

Applicable Compliance Method-
If required, Complaince shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

V. Testing Requirements (continued)

2. 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 within 3 months after permit issuance.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation.

c. The test methods which shall be employed to demonstrate compliance with the allowable mass emission rate for PE and the allowable opacity limitation are:

i. for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A; and

ii. for opacity: Method 9 of 40 CFR, part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

1. The surge tank (S113) and associated dust collector (S111) that were originally included in this permit were not installed. The dust collectors on the silos are used to control particulate emissions from the cement transfer operations.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: New raw material handling system (P925)

Activity Description: Raw material handling system to back end of kiln (slag, fly ash, etc.)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Raw Material and Recycled Material Handling and Storage System; Hopper, Enclosed System: Bucket Elevator, Belt Conveyor, Silo with Filter, Rotary Feeder, & Weigh Feeder; Partially Enclosed Belt Conveyor	OAC rule 3745-31-05 (A)(3) PTI 08-04127	3.63 lbs/hr particulate emissions (PE) -fugitive emissions Visible fugitive PE shall not exceed 10 percent opacity, as a six-minute average. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D) and 40 CFR Part 63, Subpart LLL.
	OAC rule 3745-31-05(D) PTI 08-04127	4.4 tons fugitive PE/rolling, 12-month period (see A.I.2.b)
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-08 (B)	See A.I.2.c.
	OAC rule 3745-17-07	See A.I.2.c.

2. Additional Terms and Conditions

2.a The 3.63 lbs PE/hr limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

2.b In order to avoid Prevention of Significant Deterioration (PSD) review for PE, the permittee has opted to limit the potential to emit from this emissions unit by limiting the annual production rate and, thereby, limiting the annual emission rate.

2.c This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 303,779 tons/rolling, 12-month period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the production rate, in tons;

b. the rolling, 12-month summation of the monthly production rates, in tons; and

c. the rolling, 12-month summation of the monthly PE rates [(A.III.1.b x 0.029 lb PE/ton)*/2000], in tons.

* USEPA reference document AP-42, Table 11.12-2, dated 10/86, reformatted 1/95

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

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

a. all exceedances of the rolling, 12-month production limitation of 303,779 tons.

b. all exceedances of the rolling, 12-month PE limitation of 4.4 tons.

These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I. of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation-
3.63 lbs/hr fugitive PE

Applicable Compliance Method-
The hourly allowable PE limitation was established by multiplying the maximum hourly handling rate of 125 tons by the emission factor of 0.0029 lb PE/ton, from USEPA reference document AP-42, Table 11.19.2-2, dated 10/86, reformatted 1/95.

1.b Emission Limitation-
4.4 tons fugitive PE/rolling, 12-month period

Applicable Compliance Method-
Compliance with the annual allowable PE limitation shall be based on the record keeping requirements established in section A.III.1 of this permit.

1.c Emission Limitation-
Visible fugitive PE shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method-
If required, complaince shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Raw Material/ Recycle System (P927)

Activity Description: Raw material handling system that delivers material directly to back end of kiln.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Slag Reclaim System	OAC rule 3745-31-05 (A)(3) PTI 08-04283	4.83 lbs/hr particulate emissions (PE)- fugitive emissions Visible fugitive PE shall not exceed 10 percent opacity, as a six-minute average. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D) and 40 CFR Part 63, Subpart LLL.
	OAC rule 3745-31-05(D) PTI 08-04283	3.95 tons fugitive PE/rolling, 12-month period (see A.I.2.b)
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-08 (B)	See A.I.2.c.
	OAC rule 3745-17-07(B)	See A.I.2.c.

2. Additional Terms and Conditions

2.a The 4.83 lbs PE/hr limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

2.b In order to avoid Prevention of Significant Deterioration (PSD) review for PE, the permittee has opted to limit the potential to emit from this emissions unit by limiting the annual production rate and, thereby, limiting the annual emission rate.

2.c This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 175,200 tons/rolling, 12-month period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the production rate, in tons;

b. the rolling, 12-month summation of the monthly production rates, in tons; and

c. the rolling, 12-month summation of the monthly PE rates, in tons, calculated as follows:

i. for load in and out of storage piles, multiply the rolling, 12-month production rate (from section A.III.1.b above) by the emission factor of 0.0224 lb PE/ton, * and then divide by 2000;

ii. for material handling, multiply the rolling, 12-month production rate (from section A.III.1.b above) by the emission factor of 0.0174 lb/ton, ** and then divide by 2000;

iii. for wind erosion, 0.46 ton; and

iv. sum i + ii + iii.

* derived by multiplying the emission factor, from AP-42, Fifth Edition, Section 13.2.4, dated 1/95, of 0.0112 lb/ton by 2 (for loading in and out)

** derived by multiplying the emissions factor, from AP-42, Fifth Edition, Table 11.19.2-2, dated 1/95, of 0.0029 lb PE/ton [0.0014 lb PM-10/ton x 2.1] by 6 (for the number of transfer points)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

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

a. all exceedances of the rolling, 12-month production limitation of 175,200 tons.

b. all exceedances of the rolling, 12-month PE limitation of 3.95 tons.

These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

IV. Reporting Requirements (continued)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I. of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation-
4.83 lbs/hr fugitive PE

Applicable Compliance Method-
The hourly allowable PE limitation was established as follows:

i. for load in and out of storage piles, multiply the maximum houlry transfer rate of 200 tons (from section A.III.1.b above) by the emission factor of 0.0224 lb PE/ton;*

ii. for material handling, multiply the maximum houlry transfer rate of 200 tons (from section A.III.1.b above) by the emission factor of 0.0174 lb/ton;** and

iii. sum i + ii.

* derived by multiplying the emission factor, from AP-42, Fifth Edition, Section 13.2.4, dated 1/95, of 0.0112 lb/ton by 2 (for loading in and out)

** derived by multiplying the emissions factor, from AP-42, Fifth Edition, Table 11.19.2-2, dated 1/95, of 0.0029 lb PE/ton [0.0014 lb PM-10/ton x 2.1] by 6 (for the number of transfer points)

1.b Emission Limitation-
3.95 tons fugitive PE/rolling, 12-month period

Applicable Compliance Method-
Compliance with the annual allowable PE limitation based on the record keeping requirements established in section A.III.1 of this permit.

1.c Emission Limitation-
Visible fugitive PE shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Gypsum / Limestone handling system (P928)

Activity Description: Hopper and conveyor, which feed to clinker handling system and storage silos.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
K304 Clinker Silo System	OAC rule 3745-31-05 (A)(3) PTI 08-04283	3.73 lbs/hr particulate emissions (PE)- fugitive emissions Visible fugitive PE from the stack shall not exceed 10 percent opacity, as a six-minute average. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D) and 40 CFR Part 63, Subpart LLL.
	OAC rule 3745-31-05(D) PTI 08-04283	4.68 tons fugitive PE/rolling, 12-month period (see A.I.2.b)
	40 CFR Part 63, Subpart LLL	See Part II - Specific Facility Terms and Conditions.
	OAC rule 3745-17-08 (B)	See A.I.2.c.
	OAC rule 3745-17-07(B)	See A.I.2.c.

2. Additional Terms and Conditions

2.a The 3.73 lbs PE/hr limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

2.b In order to avoid Prevention of Significant Deterioration (PSD) review for PE, the permittee has opted to limit the potential to emit from this emissions unit by limiting the annual production rate and, thereby, limiting the annual emission rate.

2.c This emissions unit is not located in an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, the emissions unit is not subject to the RACM requirements established in OAC rule 3745-17-08(B) and the visible emission limitations specified in OAC rule 3745-17-07(B).

II. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 177,420 tons/rolling, 12-month period.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the production rate, in tons;

b. the rolling, 12-month summation of the monthly production rates, in tons; and

c. the rolling, 12-month summation of the monthly PE rates, in tons, calculated as follows:

i. for load in and out of storage piles, multiply the rolling, 12-month production rate (from section A.III.1.b above) by the emission factor of 0.0224 lb PE/ton, * and then divide by 2000;

ii. for material handling, multiply the rolling, 12-month production rate (from section A.III.1.b above) by the emission factor of 0.00874 lb/ton, ** and then divide by 2000;

iii. for wind erosion, 1.92 tons; and

iv. sum i + ii + iii.

* derived by multiplying the emission factor, from AP-42, Fifth Edition, Section 13.2.4, dated 1/95, of 0.0112 lb/ton by 2 (for loading in and out)

** derived by multiplying the emissions factor, from AP-42, Fifth Edition, Table 11.19.2-2, dated 1/95, of 0.0029 lb PE/ton [0.0014 lb PM-10/ton x 2.1] by 3 (for the number of transfer points)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

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

a. all exceedances of the rolling, 12-month production limitation of 177,420 tons.

b. all exceedances of the rolling, 12-month PE limitation of 4.68 tons.

These deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

IV. Reporting Requirements (continued)

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from 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.

V. Testing Requirements

1. Compliance with the emission limitations in section A.I. of these terms and conditions shall be determined in accordance with the following methods:

1.a Emission Limitation-
3.73 lbs/hr fugitive PE

Applicable Compliance Method-
The hourly allowable PE limitation was established as follows:

i. for load in and out of storage piles, multiply the maximum houlry transfer rate of 120 tons (from section A.III.1.b above) by the emission factor of 0.0224 lb PE/ton;*

ii. for material handling, multiply the maximum houlry transfer rate of 120 tons (from section A.III.1.b above) by the emission factor of 0.0087 lb/ton;** and

iii. sum i + ii.

* derived by multiplying the emission factor, from AP-42, Fifth Edition, Section 13.2.4, dated 1/95, of 0.0112 lb/ton by 2 (for loading in and out)

** derived by multiplying the emissions factor, from AP-42, Fifth Edition, Table 11.19.2-2, dated 1/95, of 0.0029 lb PE/ton [0.0014 lb PM-10/ton x 2.1] by 3 (for the number of transfer points)

1.b Emission Limitation-
3.95 tons fugitive PE/rolling, 12-month period

Applicable Compliance Method-
Compliance with the annual allowable PE limitation based on the record keeping requirements established in section A.III.1 of this permit.

1.c Emission Limitation-
Visible fugitive PE shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method-
If required, compliance shall be determined by visible emission evaluations performed in accordance with U.S. EPA Reference Method 9 of 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Synthetic Gypsum Hopper (P929)

Activity Description: Synthetic Gypsum Hopper and Conveyer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Synthetic gypsum hopper and conveyor	OAC rule 3745-31-05(A)(3) PTI# 08-4441	0.21 lb/hour and 0.92 tons per year (TPY) particulate emissions (PE) The visible emissions opacity shall not exceed 10 percent as a six-minute average. See A.I.2.a.
	40 CFR Part 63 Subpart LLL	See Part II - Specific Facility Terms and Conditions
	OAC rule 3745-17-07(B)	The emissions limits specified by this regulation are equivalent to the emissions limits established pursuant to OAC rule 3745-31-05(A)(3). See A.I.2.b.
	OAC rule 3745-17-08(B)	The emissions limits specified by this regulation are equivalent to the emissions limits established pursuant to OAC rule 3745-31-05(A)(3). See A.I.2.b.

2. Additional Terms and Conditions

2.a The 0.21 lb/hour particulate emissions limitation was established for permit to install (PTI) purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

2.b This emissions unit is not located in an Appendix A area, as specified in OAC rule 3745-17-08, and as such it is not subject to RACM in OAC rule 3745-17-08(B) or the visible emission limitation in OAC rule 3745-17-07(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from 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 location and color of the emissions;

b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

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

e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from 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.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.1 shall be determined in accordance with the following methods:

1.a Emission Limitation-
0.21 lb/hour particulate emissions

Applicable Compliance Method-
The particulate emissions from the synthetic gypsum hopper and conveyor were developed by multiplying the maximum hourly transfer rate of 50 TPH by the AP-42 emission factor of 0.0042 lb PE/ton (3 transfer points multiplied by 0.0014 lb PE/ton) Reference: AP-42 Table 11.19.2-2.

1.b Emission Limitation-
0.92 TPY particulate emissions

Applicable Compliance Method-
The particulate emissions from the synthetic gypsum hopper and conveyor were developed by multiplying the maximum hourly transfer rate of 50 TPH times 8,760 hours per year and by the AP-42 emission factor of 0.0042 lb PE/ton (3 transfer points multiplied by 0.0014 lb PE/ton) Reference: AP-42 Table 11.19.2-2.

1.c 10% opacity, as a sixminute average

Applicable Compliance Method-

The permittee shall demonstrate compliance with the visible emissions limitation above in accordance with OAC rule 3745-17-03(B)(3).

V. Testing Requirements (continued)

2. 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 within 6 months after permit issuance and within 6 months of permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable opacity limitation.

c. The test method which shall be employed to demonstrate compliance with the allowable opacity limitation: Method 9 of 40 CFR, Part 60, Appendix A.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 to the appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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