Ohio Environmental Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

3/18/2010

Pamela Blakley *Via E-Mail Notification*
United States Environmental Protection Agency
Mail Code: AR-18J
77 West Jackson Blvd.
Chicago, IL 60604-3507

RE: PROPOSED AIR POLLUTION TITLE V PERMIT
Facility Name: National Lime & Stone Co. - Carey
Facility ID: 0388000004
Permit Type: Renewal
Permit Number: P0087973

Dear Ms. Blakley:

A proposed OAC Chapter 3745-77 Title V permit for the referenced facility has been issued for review by U.S. EPA. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.ohio.gov/dapc in Microsoft Word and Adobe Acrobat format. If U.S. EPA does not object to this proposed permit, the permit will be processed for issuance as a final action not less than 45 days from the date of this letter. Please contact me at (614) 644-3631 by the end of the 45 day review period if you wish to object to the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA DAPC, Northwest District Office

50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

614 | 644 3020
614 | 644 3184 (fax)
www.epa.ohio.gov

Ohio | Environmental Protection Agency

PROPOSED

Division of Air Pollution Control
Title V Permit
for
National Lime & Stone Co. - Carey

Facility ID: 0388000004
Permit Number: P0087973
Permit Type: Renewal
Issued: 3/18/2010
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Title V Permit
for
National Lime & Stone Co. - Carey

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Authorization

Facility ID: 0388000004
Facility Description: Limestone Mining and Processing
Application Number(s): A0019074, A0037991
Permit Number: P0087973
Permit Description: Renewal Title V Application
Permit Type: Renewal
Issue Date: 3/18/2010
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number:

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

National Lime & Stone Co. - Carey
North Patterson Street
P. O. Box 8
Carey, OH 43316

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

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

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

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

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

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

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

(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

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

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

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

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

(4) The analytical techniques or methods used.

(5) The results of such analyses.

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

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

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

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

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

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

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

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) 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))

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

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

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

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

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

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

See A.29 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

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

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

Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

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

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

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Ohio EPA DAPC, Northwest District Office.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

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

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

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

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

5. Title IV Provisions

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

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

6. Severability Clause

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

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

7. General Requirements

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

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

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

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

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

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

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.
(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

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

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

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

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

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

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

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.
(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

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

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

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

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

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

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

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

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

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

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

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

(2) Compliance certifications shall include the following:

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

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittent.

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

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

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

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

14. Permit Shield

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

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

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

15. Operational Flexibility

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

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

16. Emergencies

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

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

17. Off-Permit Changes

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

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

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

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

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

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

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

18. Compliance Method Requirements

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

19. Insignificant Activities or Emissions Levels

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

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

21. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.
(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

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

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

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

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

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

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

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

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

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

The permittee shall submit required reports in the following manner:

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

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the

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

25. Records Retention Requirements Under State Law Only

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

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.
(Authority for term: OAC rule 3745-77-07(C))

27. Scheduled Maintenance/Malfunction Reporting

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

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.
(Authority for term: OAC rule 3745-77-01(C))

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

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

   a) 3.

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

   a) G001 – 540 gallon low sulfur diesel fuel storage and dispensing pump - tank #11;

   b) G002 – 12,0000 gallon diesel fuel storage tank and dispensing pump - tank #3;

   c) G003 – 10,000 gallon diesel fuel storage tank and dispensing pump - tank #9;

   d) G004 – 11,000 gallon diesel fuel storage tank and dispensing pump - tank #8;

   e) L001 - solvent cold cleaner - cleaner #1;

   f) L002 - solvent cold cleaner - cleaner #2;

   g) L003 - solvent cold cleaner - cleaner #3; and

   h) L004 - solvent cold cleaner - cleaner #4.

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

3. The following insignificant emissions units are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

   a) T001 - 20,000 gallon fuel oil storage tank (located at the dryer).

4. Pursuant to 40 CFR Part 64, the permittee has submitted, and the Ohio EPA has approved a compliance assurance monitoring plan for emissions units F015, P005, P023, P024, P903, P904 and P905 at this facility. The permittee shall comply with the provisions of the plan during any operation of the aforementioned emissions units.

   [Authority for term: 40 CFR, Part 64]

C. Emissions Unit Terms and Conditions

1. F001, Stone Plant Roadways and Parking Areas

Operations, Property and/or Equipment Description:

Vehicle travel on stone plant roadways and parking areas.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(B)(4) paved roadways and parking areas [See b)(2)a.]	no visible particulate emissions from paved roadways except for 6 minutes during any 60-minute observation period
b.	OAC rule 3745-17-08(B), (B)(8), (B)(9) paved roadways and parking areas [See b)(2)a.]	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust from paved roadways [See b)(2)c., b)(2)e., and b)(2)g. through b)(2)i.]
c.	OAC rule 3745-17-07(B)(5) unpaved roadways and parking areas [See b)(2)b.]	no visible particulate emissions from unpaved roadways except for 13 minutes during any 60-minute observation period
d.	OAC rule 3745-17-08(B), (B)(2), (B)(9) unpaved roadways and parking areas [See b)(2)b.]	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust from unpaved roadways [See b)(2)d. through b)(2)i.]

(2) Additional Terms and Conditions

a. The paved 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:

<u>paved roadways:</u> asphalt roadways

<u>paved parking areas:</u> none

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: gravel roadways, lime plant gravel roadway, Plant C-3 gravel parking lot and garage gravel parking lot

unpaved parking areas: lime plant gravel parking lot and Plant C-1 gravel parking lot

c. 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 vacuum sweeping and/or water flushing at sufficient treatment frequencies and use speed limit restrictions (10 mph) to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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 by watering, oiling and/or chemical stabilization at sufficient treatment frequencies and use speed limit restrictions (10 mph) to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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

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

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

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

i. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

c) Operational Restrictions

(1) The permittee shall only apply virgin oil for the suppression of fugitive dust emissions. Pursuant to OAC rule 3745-279-82, the use of used oil as a dust suppressant is prohibited in Ohio.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

<u>paved roadways and parking areas:</u> all
<u>minimum inspection frequency:</u> daily

<u>unpaved roadways and parking areas:</u> all
<u>minimum inspection frequency:</u> daily

[OAC rule 3745-77-07(C)(1)]

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

[OAC rule 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[OAC rule 3745-77-07(C)(1)]

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

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

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

c. the dates the control measures were implemented; and

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

The information required in d)(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.

[OAC rule 3745-77-07(C)(1)]

(5) For each shipment of oil received for use as a fugitive dust suppressant for this emissions unit, the permittee shall maintain the permittee's or oil supplier's analysis or certification that the oil is not used oil as defined in OAC rule 3745-279-01(A)(12).

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation reports, in accordance with the Standard Terms and Conditions of this permit, 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.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall submit deviation (excursion) reports that identify each shipment of oil received for use as a fugitive dust suppressant for this emissions unit that was not determined to be virgin oil. Each report shall be submitted within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations specified in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

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

Applicable Compliance Method: If required, the permittee shall demonstrate compliance pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(4).

[OAC rule 3745-77-07(C)(1)]

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

Applicable Compliance Method: If required, the permittee shall demonstrate compliance pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(4).

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

2. F002, Stone Plant Storage Piles

Operations, Property and/or Equipment Description:

Loading, unloading and storage operations associated with the use of product storage piles at the stone plant.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-17158, issued 12/5/06)	18.3 tons fugitive particulate emissions (PE)/year See b)(2)a. <u>load-in and load-out of storage piles</u> [See b)(2)b. for identification of storage piles] no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See Sections b)(2)c., b)(2)d. and b)(2)g.] <u>wind erosion from storage piles</u> [See b)(2)b. for identification of storage piles] no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See Sections b)(2)e. through b)(2)g.]
b.	OAC rule 3745-17-07(B)(1)	See b)(2)h.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-08(B)	See b)(2)h.

(2) Additional Terms and Conditions

a. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the emissions of particulate matter less than or equal to 10 microns in size (PM10) from this air contaminant source since the calculated annual emission rate for PM10 is less than ten tons per year taking into account the enforceable requirement to apply best available control measures to minimize or eliminate visible emissions of fugitive dust.

b. The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

18 limestone storage piles

c. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles 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 storage pile materials with water at sufficient treatment frequencies to ensure compliance and to maintain low drop height from conveyors and FEL's. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

d. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

e. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the aggregate and wet suppression carry-over from aggregate processing is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee has committed to water application in order to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

f. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned

applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile 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.

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

h. The emissions limitations and control measure requirements specified by these rules are less stringent than the emissions limitations and control measure requirements established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification:</u> all storage piles
<u>minimum load-in inspection frequency:</u> daily

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(2) Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification:</u> all storage piles
<u>minimum load-out inspection frequency:</u> daily

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(3) Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>storage pile identification:</u> all storage piles
<u>minimum load-out inspection frequency:</u> daily

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed

due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(6) 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, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in d)(6)d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

e) Reporting Requirements

(1) The permittee shall submit quarterly 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.

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

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

f) Testing Requirements

(1) Compliance with the emission limitations specified in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation: 18.3 tons fugitive PE/year

Applicable Compliance Method: The emission limitation was established by combining the total PE emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application. The emission rates were determined as follows:

i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 6,000,000 tons limestone/year by the appropriate emission factor from AP-42, Section 13.2.4.(1/95) [0.0021 pound PE/ton processed] and then dividing by 2000 pounds/ton.

ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-out rate of 6,000,000 tons per year of limestone by the appropriate emission factor from AP-42 section 13.2.4 (1/95) [0.0021 pound PE/ton processed] and then dividing by 2000 pounds/ton.

iii. Wind erosion - emissions were established by multiplying a maximum, combined, limestone, storage pile surface area of 72.0 acres, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [8.68 pounds PE/day/acre], a maximum operating schedule of 365 days per year, dividing by 2000 pounds/ton and applying a 95% control efficiency. PM10 emissions were established by multiplying the total PE rate by a factor of 0.5 (0.5 represents the ratio of the aerodynamic particle size multiplier between PM10 and PE, AP-42, Section 13.2.5 (1/95).

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

b. Emission Limitation: There shall be no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles.

Applicable Compliance Method: If required, compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in “Appendix on Test Methods” in 40 CFR, Part 60 (“Standards of Performance for New Stationary Sources”), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

c. Emission Limitation: There shall be no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: If required, compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

g) Miscellaneous Requirements

(1) None.

3. F006, Blasting and Overburden Removal

Operations, Property and/or Equipment Description:

Mineral extraction and overburden removal operations at an open pit dolomitic limestone quarry.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(B) – blasting	See b)(2)a.
b.	OAC rule 3745-17-08(B) – blasting	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.i.]
c.	OAC rule 3745-17-07(B)(1) – overburden removal	Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average.
d.	OAC rule 3745-17-08(B) – overburden removal	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.ii.]
e.	OAC rule 3745-17-07(B)(1) – truck loading	Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average
f.	OAC rule 3745-17-08(B) – truck loading	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.iii.]
g.	OAC rule 3745-17-07(B)(1) – waste disposal	Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average
h.	OAC rule 3745-17-08(B) – waste disposal	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.iv.]
i.	OAC rule 3745-17-07(B)(1) - reclamation	Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
j.	OAC rule 3745-17-08(B) - reclamation	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.v.]

(2) Additional Terms and Conditions

a. There is no visible particulate emission limitation associated with the blasting operations of this emissions unit pursuant to OAC rule 3745-17-07(B)(11)(b).

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. Blasting:

(a) prevent overshooting during blasting.

ii. Overburden Removal:

(a) minimize the disturbance of the land surface and perform the overburden removal such that compliance with the visible particulate emission limitation in section b)(1)c. can be achieved.

iii. Truck Loading:

(a) minimize the drop height distance during loading of the truck bed, prevent haul vehicle overloading and maintain inherent moisture level to control fugitive dust emissions during truck loading such that compliance with the visible particulate emission limitation in section b)(1)e. can be achieved. Water and/or any other suitable dust suppressant shall be applied as needed.

iv. Waste Disposal:

(a) minimize the disturbance of the land surface and perform the waste disposal such that compliance with the visible particulate emission limitation in section b)(1)g. can be achieved.

v. Reclamation:

(a) employ, on an "as needed" basis, water and/or any other suitable dust suppressant to control fugitive dust emissions during reclamation operations such that compliance with the visible particulate emission limitation in section b)(1)i. can be achieved.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, for mineral extraction operations, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

Operation:	Minimum Inspection Frequency:
Blasting	no inspections required
Overburden Removal	daily
Truck Unloading	daily
Waste Disposal	daily
Reclamation	daily

[OAC rule 3745-77-07(C)(1)]

(2) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for the overburden removal, truck loading, waste disposal, and reclamation operations. The inspections shall be performed during representative, normal operating conditions.

[OAC rule 3745-77-07(C)(1)]

(3) The permittee may, upon receipt of written approval from the Ohio EPA, Northwest District Office, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[OAC rule 3745-77-07(C)(1)]

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

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

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

The information required in d)(4)d. shall be kept separately for (i) the overburden removal operations, (ii) the truck loading operations, (iii) the waste disposal operations, and (iv) the reclamation operations, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation reports, in accordance with the Standard Terms and Conditions of this permit, that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency; and

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

[OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation specified in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following method:

a. Emission Limitation: Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(3).

g) Miscellaneous Requirements

(1) None.

4. F015, 1500 TPH Aggregate Processing Plant

Operations, Property and/or Equipment Description:

Aggregate processing plant (limestone) including crushing, screening, conveying, and railcar load-out operations. This new aggregate plant replaces the C3 plant (F009) which was removed in August of 2003.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-17158, issued 12/5/06)	52.03 tons fugitive particulate emission (PE)/year 18.24 tons fugitive particulate matter 10 microns or less in size (PM_{10})/year Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a. through b)(2)c.] There shall be no visible particulate emissions from rail car loading operations See b)(2)d. and b)(2)e.
b.	OAC rule 3745-17-07(B)(1)	See b)(2)f.
c.	OAC rule 3745-17-08(B)	See b)(2)g.
d.	40 CFR, Part 60, Subpart OOO	See b)(2)h. Visible emission restrictions [See b)(2)i.]
e.	40 CFR, Part 64 – Compliance Assurance Monitoring (CAM)	See d)(6) – d)(8) and e)(4)

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures for the material processing/handling operations identified below, for the purpose of ensuring

compliance with the above mentioned applicable requirements. In accordance with the permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

Material Handling Operation:	Control Measure(s):
loading	reduce drop height
crushing and screening	water application, if needed
transfer/conveying	reduced drop height; water application, if needed

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

b. For each material handling/processing operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.

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

d. There shall be no visible particulate emissions from rail car loading operations (RC11 conveyor).

e. The requirements of this rule also include compliance with 40 CFR Part 60, Subpart OOO, OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B).

f. Visible particulate emissions shall not exceed 20% opacity as a three-minute average from truck unloading and loading of the primary (grizzly) feeder with front-end loader.

The visible particulate emission limitations for all other material handling/processing operation(s) other than truck unloading and loading of the primary (grizzly) feeder with front-end loader are applicable to 40 CFR Part 60, Subpart OOO or OAC rule 3745-31-05(A)(3). The requirements of OAC rule 3745-17-07(B) are less stringent than the visible emission restrictions established pursuant to 40 CFR Part 60, Subpart OOO or OAC rule 3745-31-05(A)(3).

g. In accordance with OAC rule 3745-17-08(B), the permittee shall employ the reasonably available control measure (RACM) of reduced drop height for loading of the primary (grizzly) feeder with front-end loader.

The requirements specified by this rule for all aggregate processing operations other than loading of the primary (grizzly) feeder are less stringent than the best available control measures established pursuant to OAC rule 3745-31-05(A)(3).

h. The application and enforcement of the provisions of NSPS, as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.

i. The permittee shall not cause to be discharged into the atmosphere, fugitive emissions which exhibit greater than the following:

Material Handling Operation	Opacity Limit, as a 6-minute average
crushing	15%
screening	10%
conveying/transfer points	10%
wet screening and screening of saturated materials	no visible emissions
conveyor transfer points of saturated materials	no visible emissions

The following table identifies all material handling equipment located at the facility applicable to the above opacity limitations:

Emission Point (Company ID)	Equipment Type
primary crushing CR1	crusher
secondary crushing CR2	crusher
secondary crushing CR3	crusher
secondary crushing CR4	crusher
primary grizzly feeder PGFD	screen
primary screen S1	screen
secondary screen S2	screen
secondary screen S3	screen
secondary screen S4	screen
PC1 conveyor	transfer point
PC2 conveyor	transfer point
primary surge bin w/2 vibrating feeder	transfer point

PC3 conveyor	transfer point
PC4 conveyor	transfer point
PC5 conveyor	transfer point
PC6 conveyor	transfer point
PC7 conveyor	transfer point
PC8 conveyor	transfer point
PC9 conveyor	transfer point
primary surge pile w/3 vibrating feeders	transfer point
PC10 conveyor	transfer point
PC11 conveyor	transfer point
PC12 conveyor	transfer point
C1 conveyor	transfer point
C2 conveyor	transfer point
C3 conveyor	transfer point
C4 conveyor	transfer point
C5 conveyor	transfer point
C6 conveyor	transfer point
C7 conveyor	transfer point
C8 conveyor	transfer point
C9 conveyor	transfer point
C10 conveyor	transfer point
C11 conveyor	transfer point
C12 conveyor	transfer point
C13 conveyor	transfer point
C14 conveyor	transfer point
C15 conveyor	transfer point
C16 conveyor	transfer point
C17 conveyor	transfer point
SH2 secondary surge hopper	transfer point
C18 conveyor	transfer point

C19 conveyor	transfer point
C20 conveyor	transfer point
C21 conveyor	transfer point
C22 conveyor	transfer point
C23 conveyor	transfer point
C24 conveyor	transfer point
C25 conveyor	transfer point
C26 conveyor	transfer point
C27 conveyor	transfer point
C28 conveyor	transfer point
C29 conveyor	transfer point
C30 conveyor	transfer point
C31 conveyor	transfer point
C32 conveyor	transfer point
C33 conveyor	transfer point
C34 conveyor	transfer point
C35 conveyor	transfer point
C36 conveyor	transfer point
C37 conveyor	transfer point
C38 conveyor	transfer point
C39 conveyor	transfer point
C40 conveyor	transfer point
tertiary washing screen	screen
SS1 wet sand and screw	transfer point
C41 conveyor	transfer point
C42 conveyor	transfer point
C43 conveyor	transfer point
C44 conveyor	transfer point
C45 conveyor	transfer point
C46 conveyor	transfer point

RFD vibrating feeders (6)	transfer point
RC1 conveyor	transfer point
RC2 conveyor	transfer point
FEL feed hopper w/feeder	transfer point
RS1 rinse screens (2)	screen
RC3 conveyor	transfer point
RC4 conveyor	transfer point
RC5 conveyor	transfer point
RC6 conveyor	transfer point
RC7 conveyor	transfer point
load-out bins (2)	transfer point
RC8 conveyor	transfer point
RC9 conveyor	transfer point
RC10 conveyor	transfer point
RC11 conveyor	transfer point

c) Operational Restrictions

(1) The maximum annual material throughput for this emissions unit shall not exceed 6,000,000 tons based on the material throughput of the primary grizzly feeder.

[OAC rule 3745-77-07(A)(1) and PTI #03-17158]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the amount of material processed through the grizzly feeder of this emissions unit in (a) tons per month and (b) total tons, to date, for the calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(2) Except as otherwise provided in this section, for aggregate processing operations that are not adequately enclosed, the permittee shall perform inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

Material Handling Operations:	Minimum Inspection Frequency:
All	Once During Each Day of Operation

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(3) The above-mentioned inspections shall be performed during representative, normal operating conditions.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(4) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

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

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

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

The information in d)(5)d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(6) 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., crushing, screening, conveying/transferring, railcar loading operations, truck unloading, loading of primary grizzly feeder with front end loader, 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.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(7) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for the wet suppression system and/or moisture carry over controlling this emissions unit is daily visible emission checks. When the daily visible emission checks show operation outside its normal or usual manner of operation, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(8) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

e) Reporting Requirements

(1) The permittee shall submit annual reports that summarize the annual material throughput for this emissions unit based on the material throughput of the primary grizzly feeder. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(2) The permittee shall submit quarterly deviation (excursion) reports, in accordance with the reporting requirements of the Standard Terms and Conditions of this permit, that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency; and

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

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(3) The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:

a. for a crusher:

i. the rated capacity in tons per hour of the existing facility being replaced, and

ii. the rated capacity in tons per hour of the replacement equipment.

b. for a screening operation:

i. the total surface area of the top screen of the existing screening operation being replaced and

ii. the total surface area of the top screen of the replacement screening operation.

c. for a conveyor belt:

i. the width of the existing belt being replaced, and

ii. the width of the replacement conveyor belt.

d. for a storage bin;

i. the rated capacity in tons of the existing storage bin being replaced, and

ii. the rated capacity in tons of the replacement storage bins.

The notification shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the equipment replacement.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(4) 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., crushing, screening, conveying/transferring, railcar loading operations, truck unloading, loading of primary grizzly feeder with front end loader, 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.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

f) Testing Requirements

(1) The permittee shall conduct, or have conducted, emission testing for all crushers, transfer points and screens of emissions units F015.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(2) Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(3) The emission testing shall be conducted at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(4) The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:

a. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(5) The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an “Intent to Test” notification to the Ohio EPA, Division of Air Pollution Control. The “Intent to Test” notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office’s air agency’s refusal to accept the results of the emission tests.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(6) Personnel from the Ohio EPA District Office’s air agency shall be permitted to witness the test, 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 unit and /or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

(7) Compliance with the emissions limitations specified in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitations: 52.03 tons fugitive PE/year and 18.24 tons fugitive PM_{10}/year

Applicable Compliance Method: The annual particulate emission limitations were developed by multiplying the following emission factors from AP-42 Section 11.19.2 (8/04) by the annual throughput restriction of 6,000,000 tons/year through the grizzly feeder and the corresponding throughput of each additional crusher, screen and transfer point, and then dividing by 2000 pounds/ton:

Aggregate Processing Operation	PE Emission Factor	PM-10 Emission Factor
loading (truck dumping into a feeder, hopper, or crusher)	PE to PM10 relative ratio 2.11:1*	0.000008 lb/ton processed
screening	0.0022 lb/ton processed	0.00074 lb/ton processed
crushing	0.0012 lb/ton processed	0.00054 lb/ton processed
conveyor transfer points	0.00014 lb/ton processed	0.000046 lb/ton processed

*derived from AP-42 Section 13.2.4

Provided compliance is demonstrated with the annual throughput restriction and the requirements to apply best and reasonably available control measures to prevent fugitive emissions, compliance with the annual emission limitations shall be assumed.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

b. Emission Limitation: Visible emissions shall not exceed 20% opacity, as a 3-minute average for loading operations (truck dumping into a feeder, hopper, or crusher).

Applicable Compliance Method: If required, compliance shall be demonstrated using Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60, Appendix A (Standards of Performance for New Stationary Sources") as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures specified in 40 CFR, Part 60, Subpart OOO, Section 60.675.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

d. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen any fugitive emissions which exhibit greater than 10% opacity (unless otherwise specified).

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures specified in 40 CFR, Part 60, Subpart OOO, Section 60.675.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

e. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere any visible emissions from wet screening operations and subsequent transfer points that process saturated materials.

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 22 of 40 CFR, Part 60, Appendix A, and the procedures specified in 40 CFR, Part 60, Subpart OOO, Section 60.675.

[OAC rule 3745-77-07(C)(1) and PTI #03-17158]

f. Emission Limitation: There shall be no visible PE from rail car loading operations

Applicable Compliance Method: If required, compliance with the visible emission limitation specified above shall be determined in accordance with Method 22 of 40 CFR, Part 60, Appendix A.

g. Emission Limitation: There shall be no visible PE from rail car loading operations (RC11 conveyor)

h. Applicable Compliance Method: If required, compliance with the visible emission limitation specified above shall be determined in accordance with Method 22 of 40 CFR, Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.

5. P005, Dorr-Oliver Dryer

Operations, Property and/or Equipment Description:

Drying of limestone aggregates using a Dorr-Oliver natural gas fired dryer.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-11(B)	44.0 lbs PE/hr
c.	40 CFR, Part 64 – Compliance Assurance Monitoring Plan (CAM)	See d)(1) – d)(12) and e)(1)

(2) Additional Terms and Conditions

a. All of the PE from this emissions unit shall be vented to the wet scrubber control equipment.

c) Operational Restrictions

(1) None

d) Monitoring and/or Recordkeeping Requirements

(1) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range for the pressure drop across the scrubber, that must be maintained in order to demonstrate compliance, shall be between 10 to 70 inches of water.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range for the scrubber motor pump amperes, that shall be maintained in order to demonstrate compliance, shall be at a value of not less than 25 amps.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(2) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop across the scrubber (in inches of water) and the scrubber liquid motor pump amperes during operation of this emissions unit, including periods of startup and shutdown. The permittee shall record the pressure drop across the scrubber and the scrubber motor pump amperes on twice per day basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(3) Whenever the monitored value for any parameter deviates from the range(s) or minimum limit(s) established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(4) In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the control equipment parameters within the acceptable range(s), or at or above the minimum limit(s) specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date the corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the pressure drop and flow rate readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(5) These range(s) and/or limit(s) for the pressure drop and scrubber motor pump amperes are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted range or limit for the pressure drop or scrubber motor pump amperes based upon information obtained during future emission tests that demonstrate compliance with the allowable particulate emission rate for this/these emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(6) Notwithstanding the frequency of the recording of pressure drop across the scrubber and the scrubber liquid motor pump amperes specified in section d)(2), the permittee may reduce the frequency of recordings for the pressure drop across the scrubber and the scrubber liquid motor pump amperes from two times per day to once per day readings if the following conditions are met:

a. for 2 full quarters, the permittees recordings of pressure drop and motor pump amperes indicate no deviations; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section d)(2).

The permittee shall revert to two times per day readings if any deviations occur.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(7) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicators for the scrubber controlling this emissions unit are the scrubber pressure drop and the scrubber motor pump amperes which were established in accordance with the manufacturer's recommendations and verified during site-specific particulate emission testing and scrubber parametric data collected during the emission testing. When the pressure drop and/or the amperes of the scrubber motor pump are operating outside the indicator ranges, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions and comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan. The scrubbers shall not be configured to have bypass capability.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(8) Scrubber operating parameters shall be re-verified as a result of any changes to the operating conditions of the scrubbers or emissions unit. In addition to periodic monitoring of their scrubber operating parameters, the permittee also has an inspection and maintenance program for the scrubbers. Based on the results of the monitoring and inspection program, repairs to the scrubbers shall be made as needed. If the current

CAM indicators and/or the scrubber inspection program is considered inadequate, the permittee will develop a Quality Improvement Plan.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(9) At all times, the permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(10) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA Northwest District Office, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(11) In addition to the parametric monitoring required in Sections d)(1) – d)(5), the permittee shall conduct visual inspections of the scrubber's spray nozzles every six (6) months. At a minimum, each spray nozzle shall be inspected for the following:

a. excessive wear, or clogging; and

b. appropriate directional output to ensure that the spray is covering the entire gas stream. Records of these inspections shall be kept in accordance with the Standard Terms and Conditions of this permit.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(12) The permittee shall maintain a supply of replacement nozzles, or any other parts necessary to ensure that the scrubbing system will operate properly. Any worn, or clogged nozzles shall be replaced, or fixed during the inspection.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

e) Reporting Requirements

(1) The permitee shall submit quarterly deviation (excursion) reports, in accordance with the Standard Terms and Conditions of this permit, which include the following information:

a. each period of time (start time and date, and end time and date) when the pressure drop across the scrubber and/or the scrubber motor amperes was/were outside of the appropriate range or exceeded the applicable limit contained in this permit;

b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the scrubber;

c. each incident of deviation described in “a” or “b” (above) where a prompt investigation was not conducted;

d. each incident of deviation described in “a” or “b” where prompt corrective action, that would bring the pressure drop and/or scrubber motor amperes into compliance with the acceptable range, was determined to be necessary and was not taken; and

e. each incident of deviation described in “a” or “b” where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

f) Testing Requirements

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

a. The emission testing shall be conducted approximately 2.5 years after permit issuance.

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

c. Methods 1 through 5 of 40 CFR, Part 60, Appendix A shall be employed to demonstrate compliance with the PE rate.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is using the "worst case" raw materials and is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.

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

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

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northwest District Office within 30 days following completion of the test(s). The permittee

may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Northwest District Office.

[OAC rule 3745-77-07(C)(1)]

(2) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation: 44.0 lbs of PE/hr

Applicable Compliance Method: The permittee shall demonstrate compliance with the PE limitation above through emission testing conducted in accordance OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(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 this emission limitation through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

6. P023, Pelletized Limestone Dryer

Operations, Property and/or Equipment Description:

Drying of pelletized limestone using a natural gas fired vibrating fluid bed dryer.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-7409, modified on 6/12/08)	Use of a baghouse [See b)(2)a.] 6.50 lbs organic compounds (OC)/hour and 28.47 tons OC/year 1.60 lbs nitrogen oxides (NO_x)/hour and 7.01 tons NO_x/year 4.38 lbs carbon monoxide (CO)/hour and 19.18 tons CO/year 2.06 lbs particulate emissions (PE)/hour and 9.02 tons PE/year [See b)(2)a.] Visible particulate emissions shall not exceed 0% opacity, as a six-minute average No visible particulate emissions from the building enclosure
b.	OAC rule 3745-17-07(A)	See b)(2)b.
c.	OAC rule 3745-17-11(B)	See b)(2)b.
d.	OAC rule 3745-18-06(E)	252 lbs sulfur dioxide (SO_2)/hr See b)(2)c.
e.	40 CFR, Part 64 – Compliance Assurance Monitoring (CAM)	See d)(2) through d)(5) and e)(2)

(2) Additional Terms and Conditions

a. Best available technology (BAT) for this emissions unit has been determined to be use of total building enclosure and a baghouse control system with a maximum outlet concentration of 0.008 gr/dscf.

b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c. The actual SO_2 emissions from this emissions unit are negligible because the combustion of natural gas is the only source of these emissions (the combustion of natural gas produces negligible amounts of SO_2 emissions).

c) Operational Restrictions

(1) The permittee shall burn only natural gas in this emissions unit.

[OAC rule 3745-77-07(A)(1) and PTI #03-7409]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

(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 baghouse stack serving this emissions unit and 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 color of the emissions (include the location for fugitive emissions);

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

c. Any corrective actions taken to minimize or eliminate the visible emissions.

[OAC rule 3745-77-07(C)(1), PTI #03-7409 and 40 CFR, Part 64]

(3) Notwithstanding the frequency of the daily visible emissions checks specified in section d)(2), the permittee may reduce the frequency of recordings for daily visible emissions checks from daily to three times per week readings if the following conditions are met:

a. for 2 full quarters, the permittee's recordings of daily visible emissions checks indicate no deviations; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section d)(2).

The permittee shall revert to daily readings if any deviations occur.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(4) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for the baghouse controlling this emissions unit is daily visible emission checks. When the daily visible emission checks show operation outside its normal or usual manner of operation, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(5) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

(2) The permittee shall submit semiannual written reports that (a) identify all days during which visible particulate emissions from the baghouse stack serving this emissions unit and/or any visible fugitive particulate emissions from the egress points were observed, and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

f) Testing Requirements

(1) Compliance with the emission limitations in section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. <u>Emission Limitation:</u> 6.50 lbs OC/hour and 28.47 tons OC/year

Applicable Compliance Method: The hourly OC emission limitation is based on the emission unit's potential to emit*. Therefore, no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation. If required, compliance with the lb/hr limitation shall be determined in accordance with the test methods and procedures of 40 CFR Part 60, Appendix A, Methods 1-4, and 18, 25 or 25A.

*The potential to emit for the pelletized limestone dryer is based on a maximum emission rate of 6.50 lbs VOC per hour, calculated as propane, developed through stack testing.

The permittee shall demonstrate compliance with the annual limitation by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance will also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

b. Emission Limitation: 1.60 lbs NO_x/hour and 7.01 tons NO_x/year

Applicable Compliance Method: The permittee shall demonstrate compliance with the hourly limitation by multiplying an emission factor of 100 lb NO_x/mmscf divided by 1000 Btu/scf [AP-42, Chapter 1, Table 1.4-1 (7/98)], then multiplying by a maximum firing capacity of 16 mmBtu/hr. If required, compliance with the lb/hr limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-4 and 7.

The ton/yr limitation was developed by multiplying the lb/hr limitation by a maximum operating schedule of 8760 hr/year, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

c. Emission Limitation: 4.38 lbs CO/hour and 19.18 tons CO/year

Applicable Compliance Method: The hourly CO emission limitation is based on the emission unit's potential to emit*. Therefore, no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation. If required, compliance with the lb/hr limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-4 and 10 or 10B.

*The potential to emit for the pelletized limestone dryer is based on a maximum emission rate of 4.38 lbs CO per hour developed through stack testing on January 9, 2007.

The ton/yr limitation was developed by multiplying the lb/hr limitation by a maximum operating schedule of 8760 hr/year, and dividing by 2000 lbs/ton.

Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

d. Emission Limitation: 2.06 lbs PE/hour and 9.02 tons PE/year

Applicable Compliance Method: The permittee shall demonstrate compliance with the hourly limitation by multiplying a maximum outlet grain loading of 0.008 gr/dscf by the maximum volumetric air flow (30,000 acfm), using the appropriate conversion factors of 7000 grains/lb and 60 minutes/hr. If required, compliance with the particulate emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1- 5.

The permittee shall demonstrate compliance with the annual limitation by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and 2000 lbs/ton. Therefore, provided compliance is shown with the hourly emission limitation, compliance will also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

e. Emissions Limitation: Visible particulate emissions shall not exceed 0% opacity, as a six-minute average

Applicable Compliance Method: If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

f. Emission Limitation: No visible particulate emissions from building enclosure

Applicable Compliance Method: If required, compliance with the visible emission limitation specified above shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 22.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

g. Emission Limitation: 252 lbs SO_2/hr

Applicable Compliance Method: Compliance with the hourly SO_2 emission limitation shall be assumed as long as natural gas is the only fuel combusted in this emissions unit. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

7. P024, Pelletizing Plant: Crushing, Screening, and Mtl. Hand.

Operations, Property and/or Equipment Description:

Crushing, screening, and material handling operations associated with the production of pelletized limestone products.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-7409, modified 6/12/08)	Use of building enclosure vented to baghouse system [See b)(2)a.] 1.15 lbs particulate emissions (PE)/hr and 5.03 tons PE/yr [See b)(2)d.] No visible particulate emissions from building enclosure [See b)(2)b.] Visible particulate emissions from baghouse stacks shall not exceed 0% opacity, as a six-minute average [See b)(2)b.]
b.	OAC rule 3745-17-07(A)	See b)(2)c.
c.	OAC rule 3745-17-11(B)	See b)(2)c.
d.	40 CFR, Part 64 - Compliance Assurance Monitoring (CAM)	See d)(1) through d)(4) and e)(1)

(2) Additional Terms and Conditions

a. Best available technology (BAT) for this emissions unit has been determined to be use of total building enclosure vented to a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf. The baghouse control system is comprised of five baghouses [See b)(2)b. and f)(1)a.].

b. Visible particulate emissions and BAT requirements for the material handling operations shall comply with the following:

Emissions Point (Company ID)	Equipment Type	BAT Control Requirements	Opacity Limitations
Wood flour surge bin	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
SC116	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
Munson Mixer	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
Limestone Surge Bin	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
SC124	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
SC126	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
Turbulator	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
Pelletizer	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
C17	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
Pellet Dryer	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
Vibrating C25	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
C26	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
Elevator	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building
Triple Deck Pellet Screen	screening	building enclosure and baghouse	0%-stack no visible emissions from building
Dried Stone Check Screen	screening	building enclosure and baghouse	0%-stack no visible emissions from building

Stedman Crusher	crushing	building enclosure and baghouse	0%-stack no visible emissions from building
SC29	transfer point	building enclosure and baghouse	0%-stack no visible emissions from building

c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3475-31-05(A)(3).

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

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping 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 stacks (Baghouses P024-1BH, P024-2BH, P024-3BH, P024-4BH, and P024-5BH) serving this emissions unit and 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 color of the emissions (include the location for fugitive emissions);

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

c. Any corrective actions taken to minimize or eliminate the visible emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

(2) Notwithstanding the frequency of the daily visible emissions checks specified in section d)(1), the permittee may reduce the frequency of recordings for daily visible emissions checks from daily to three times per week readings if the following conditions are met:

a. for 2 full quarters, the permittee's recordings of daily visible emissions checks indicate no deviations; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section d)(1).

The permittee shall revert to daily readings if any deviations occur.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(3) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for the baghouse controlling this emissions unit is daily visible emission checks. When the daily visible emission checks show operation outside its normal or usual manner of operation, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(4) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

e) Reporting Requirements

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

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

f) Testing Requirements

(1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. <u>Emission Limitation</u>: 1.15 lbs PE/hour from baghouse stack

<u>Applicable Compliance Method:</u> The permittee shall demonstrate compliance in accordance with the following calculation:

PE will be controlled by a baghouse control system consisting of five baghouses. The five baghouse stacks will result in a combined emission of 1.15 lbs PE/hr as determined in accordance with the following:

PE(baghouse stack) = (P024-1BH) + (P024-2BH) + (P024-3BH) + (P024-4BH) + (P024-5BH)

P024-1BH = PE from all material handling operations not controlled by other baghouses

= (0.01 gr/ft^3)(5625 ft^3*/min)(60 min/hr)(lb/7000 gr) = 0.48 lb PE/hr

*The maximum volumetric air flow for this baghouse is 7500 ft^3/min. 5625 ft^3/min (75%) is dedicated to P024-1BH and 1875 ft^3/min is dedicated to emission unit P901.

P024-2BH = PE from dried stone check screen of P024

= (0.01 gr/ft^3)(1600 ft^3/min)(60 min/hr)(lb/7000 gr) = 0.14 lb PE/hr

P024-3BH = PE from Stedman crusher of P024

= (0.01 gr/ft^3)(1600 ft^3/min)(60 min/hr)(lb/7000 gr) = 0.14 lb PE/hr

P024-4BH = PE from limestone surge bin of P024

= (0.01 gr/ft^3)(2880 ft^3/min)(60 min/hr)(lb/7000 gr) = 0.25 lb PE/hr

P024-5BH = PE from recycle surge bin of P024

= (0.01 gr/ft^3)(1600 ft^3/min)(60 min/hr)(lb/7000 gr) = 0.14 lb PE/hr

PE (baghouse stack) = (0.48 lb PE/hr) + (0.14 lb PE/hr) + (0.14 lb PE/hr) + (0.25 lb PE/hr) + (0.14 lb PE/hr) = 1.15 lb PE/hr

If required the permittee shall demonstrate compliance by testing in accordance with 40 CFR 60, Appendix A, Methods 1-5.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

b. Emission Limitation: 5.03 tons PE/year from baghouse stacks

Applicable Compliance Method: The tons/yr limitation was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

c. Emission Limitation: No visible particulate emissions from building enclosures

Applicable Compliance Method: If required, compliance with the visible emission limitation specified above shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 22.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

d. Emission Limitation: Visible particulate emissions from baghouse stacks shall not exceed 0% opacity, as a six-minute average

Applicable Compliance Method: If required, compliance with the visible emission limitation specified above shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

g) Miscellaneous Requirements

(1) None.

8. P026, Wood Flour Receiving, Conveying, and Storage Operations

Operations, Property and/or Equipment Description:

Receiving, storage and unloading operations for wood flour used in the production of pelletized limestone products.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (P0105194, issued 9/23/09)	0.61 ton particulate emissions (PE)/yr 0.01 gr PE/dscf [See b)(2)a.] Visible particulate emissions shall not exceed 5% opacity as a six-minute average (stack) no visible fugitive particulate emissions from material receiving and conveying operations [see b)(2)c.]
b.	OAC rule 3745-17-07(A)	See b)(2)b.
c.	OAC rule 3745-17-11(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse (bin vent) with a maximum outlet concentration of 0.01 gr PE/dscf for the wood flour surge bin and use of total enclosure for the stilling shed.

b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)(a).

c. The visible emission restriction is being established to ensure that the design and operation of the emissions unit does not generate any fugitive particulate emissions. Since the design and operation of the emissions unit does not

generate any fugitive emissions, the emissions unit is not applicable to OAC rule 3745-17-07(B) and OAC rule 3745-17-08.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping 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.

[OAC rule 3745-77-07(C)(1) and P0105194]

(2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive emissions from the receiving and conveying operations of 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. the total duration of any visible fugitive emission incident; and

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

[OAC rule 3745-77-07(C)(1) and P0105194]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that identify:

a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit;

b. all days during which any visible fugitive particulate emissions were observed from the receiving and conveying operations of this emissions unit; and

c. any corrective actions taken to minimize or eliminate the visible particulate and/or 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.

[OAC rule 3745-77-07(C)(1) and P0105194]

f) Testing Requirements

(1) Compliance with the emissions limitations specified in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation: 0.61 ton PE/yr

Applicable Compliance Method: The annual limitation was established by multiplying the maximum outlet concentration of 0.01 gr PE/dscf and the maximum volumetric air flow rate (1,600 acfm) of the baghouse (bin vent) and using the following conversion factors in order to covert to tons per year: 1 lb/7000 grains, 60 minutes/hour, 8,760 hours/year, and 1 ton/2,000 lbs. Therefore, provided compliance is demonstrated with the 0.01 gr PE/dscf limitation, compliance with the annual limitation will be assumed.

If required, demonstration of the maximum volumetric air flow rate shall be determined in accordance with the test methods and procedures specified in 40 CFR, Part 60, Appendix A, Methods 1-4.

[OAC rule 3745-77-07(C)(1) and P0105194]

b. Emission Limitation: 0.01 gr PE/dscf

Applicable Compliance Method: This emission limitation was established using the manufacturer's guaranteed outlet grain loading concentration. If required, compliance with this limitation shall be based on stack testing using the methods and procedures specified in 40 CFR, Part 60, Appendix A - Methods 1-5.

[OAC rule 3745-77-07(C)(1) and P0105194]

c. Emission Limitation: Visible particulate emissions shall not exceed 5% opacity, as a six-minute average

Applicable Compliance Method: If required, the permittee shall demonstrate compliance by testing in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and P0105194]

d. Emission Limitation: No visible emissions from the material receiving and conveying operations

Applicable Compliance Method: If required, the permittee shall demonstrate compliance by testing in accordance with Method 22 of 40 CFR, Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and P0105194]

g) Miscellaneous Requirements

(1) None.

9. P901, Pelletizing Plant Loadout with 3 Bins

Operations, Property and/or Equipment Description:

Unloading operations associated with the production of pelletized limestone products.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-7409, modified 6/12/08)	Control requirements [See b)(2)a.] <u>Baghouse stack:</u> 0.16 lb particulate emissions (PE)/hour and 0.70 ton PE/year [See b)(2)c.] Visible particulate emissions shall not exceed 0% opacity, as a six-minute average from baghouse stack <u>Fugitive emissions:</u> 5.40 tons PE/year Visible particulate emissions shall not exceed 5% opacity as a six-minute average from partial enclosure for truck/railcar loadout operations
b.	OAC rule 3745-17-07(A)	See b)(2)b.
c.	OAC rule 3745-17-07(B)	See b)(2)b.
d.	OAC rule 3745-17-08(B)	See b)(2)b.
e.	OAC rule 3745-17-11(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. The "Best Available Technology" (BAT) control requirements for emissions unit P901 have been determined to be:

i. Use of a partial building enclosure and telescoping chutes for truck/railcar loadout operations; and

ii. Use of baghouse with a maximum outlet concentration of 0.01 gr/dscf for bucket elevators, screw conveyors, and product bins.

b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c. All PE from the baghouse are considered to be PM_{10}.

c) Operational Restrictions

(1) The maximum annual material throughput for emissions unit P901 shall not exceed 72,000 tons per year.

[OAC rule 3745-77-07(A)(1) and PTI #03-7409]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the amount of material throughput for this emissions unit (in tons per month and total tons, to date for the calendar year).

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

(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 baghouse stack serving this emissions unit and 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 color of the emissions (include the location for fugitive 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which visible particulate emissions from the baghouse stack serving this emissions unit and/or any visible fugitive particulate emissions from the egress points were observed, and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

(2) The permittee shall submit annual deviation (excursion) reports which identify any exceedances of the annual material throughput limitation, as well as the corrective actions that were taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report, which states no deviations occurred during that year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

f) Testing Requirements

(1) Compliance with the emission limitations in section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation: 0.16 lb PE/hr and 0.70 ton PE/year from baghouse

Applicable Compliance Method: The permittee shall demonstrate compliance with the hourly limitation by multiplying a baghouse maximum outlet concentration of 0.01 gr/dscf, a maximum volumetric air flow rate of 1875 dscf*/min and conversion factors of 7000 grains/lb and 60 min/hr. If required, compliance with the particulate emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1- 5.

*The maximum volumetric air flow for this baghouse is 7500 ft^3/min. 1875 ft^3/min (25%) is dedicated to P901 and 5625 ft^3/min is dedicated to emission unit P024.

The ton per year limitation was developed by multiplying the lb/hr allowable mass emission rate by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

b. Emission Limitation: Visible particulate emissions shall not exceed 0% opacity, as a six-minute average from baghouse stack

Applicable Compliance Method: If required, compliance with the visible emission limitation specified above shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

c. Emission Limitation: 5.40 tons PE/year (fugitive)

Applicable Compliance Method: The permittee shall demonstrate compliance with this emission limitation by multiplying an emission factor of 1.5 lbs PM/ton handled [AP-42, Chapter 11.17, Table 11.17-4 (2/98)], the maximum annual material throughput of 72,000 tons/year and a control efficiency of 95% obtained from the use of a partial enclosure and telescoping chutes.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

d. Emission Limitation: Visible particulate emissions shall not exceed 5% opacity, as a six-minute average from partial enclosure for truck/railcar loadout

Applicable Compliance Method: If required, compliance with the visible emission limitation specified above shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

[OAC rule 3745-77-07(C)(1) and PTI #03-7409]

g) Miscellaneous Requirements

(1) None.

10. P902, Portable Drill

Operations, Property and/or Equipment Description:

Mobile drill used to drill holes at open pit dolomitic limestone quarry prior to blasting.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-7839, issued 3/23/94)	0.69 lb particulate emissions (PE)/hr and 3.02 tons PE/yr Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b. and b)(2)c.] See b)(2)a.
b.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
c.	OAC rule 3745-17-07(B)(1)	Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average.
d.	OAC rule 3745-17-08(B)	See b)(2)d.
e.	OAC rule 3745-17-11(B)	See b)(2)e.

(2) Additional Terms and Conditions

a. Compliance with this rule also includes compliance with OAC rules 3745-17-07(A) and 3745-17-07(B)(1).

b. Any drill used at this facility shall employ best available control measures at all times for the control of fugitive dust emissions. The following control techniques shall be employed for the drilling operations:

i. use of a fabric filter collection system on the drill.

c. No "contract drilling" shall occur at this facility without the permittee first certifying, in writing to the Ohio EPA, Northwest District Office, that the contractor's drilling rig employs best available control measures.

d. The fugitive PE control measures specified by this rule are less stringent than the fugitive PE control measures established pursuant to OAC rule 3745-31-05(A)(3).

e. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping 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 and 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.

[OAC rule 3745-77-07(C)(1)]

e) 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, (b) identify all days during which any visible fugitive particulate emissions

were observed from the from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit, and (c) describe any corrective actions taken to minimize or eliminate the visible particulate and/or 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.

[OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation: 0.69 lb PE/hr

Applicable Compliance Method: The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer's guaranteed maximum outlet emission concentration (0.03 grain/dscf) by the fabric filter's maximum volumetric air flow (2700 ft3/min) and by 60, and then dividing by 7000.

If required, compliance with the hourly allowable PE limitation shall be demonstrated through emission tests performed in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

b. Emission Limitation: 3.02 tons PE/yr

Applicable Compliance Method: The ton per year limitation was developed by multiplying the lb/hr allowable mass emission rate by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. 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 pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(1).

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

e. Applicable Compliance Method: If required, the permittee shall demonstrate compliance pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(3).

g) Miscellaneous Requirements

(1) None.

11. P903, Dried Stone Plant - Coarse Stone Loadouts

Operations, Property and/or Equipment Description:

Load-out operations of coarse limestone to either truck or railcar from storage bins #1 - #5 of Coarse Stone Bins at the Dried Stone Plant.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-07(B)	Visible PE shall not exceed 20% opacity, as a 3-minute average. [See b)(2)a.]
c.	OAC rule 3745-17-08(B)(3)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.]
d.	OAC rule 3745-17-11(B)	46.7 lbs of PE/hr
e.	40 CFR, Part 64 – Compliance Assurance Monitoring (CAM)	See d)(1) through d)(4) and e)(1)

(2) Additional Terms and Conditions

a. The visible fugitive PE from the following emission points comprising this emissions unit and subject to OAC rule 3745-17-07(B) shall not exceed 20% opacity, as a 3-minute average:

<u>Emission Point:</u> conveyor 1 to truck loadout spout
<u>Equipment Type:</u> transfer point

<u>Emission Point:</u> conveyor 1 to conveyor 2
<u>Equipment Type:</u> transfer point

<u>Emission Point:</u> conveyor 2 to railcar loadout spout
<u>Equipment Type:</u> transfer point

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 a partial enclosure around the loadout operations 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 partial enclosure shall be vented to a baghouse. The baghouse shall either achieve an outlet PE rate of not greater than 0.030 grain/dscf or has no visible PE from its exhaust stack, whichever is less stringent.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping 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 and 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.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(2) Notwithstanding the frequency of the daily visible emissions checks specified in section d)(1), the permittee may reduce the frequency of recordings for daily visible emissions checks from daily to three times per week readings if the following conditions are met:

a. for 2 full quarters, the permittee's recordings of daily visible emissions checks indicate no deviations; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section d)(1).

The permittee shall revert to daily readings if any deviations occur.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(3) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for the baghouse controlling this emissions unit is daily visible emission checks. When the daily visible emission checks show operation outside its normal or usual manner of operation, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(4) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

e) 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, (b) identify all days during which any visible fugitive particulate emissions were observed from the from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit, and (c) describe any corrective actions taken to minimize or eliminate the visible particulate and/or 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.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

f) Testing Requirements

(1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. 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 pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

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

Applicable Compliance Method: If required, the permittee shall demonstrate compliance pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(3).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 0.030 gr PE/dscf

Applicable Compliance Method: If required, compliance with the 0.030 gr PE/dscf emission limitation shall be demonstrated through emission tests performed in accordance with with OAC rule 3745-17-03(B)(7).

[OAC rule 3745-77-07(C)(1)]

d. Emission Limitation: no visible PE from the baghouse exhaust stack

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with the allowable visible PE limitation above through visible emissions observations performed in accordance with with 40 CFR, Part 60, Appendix A, Method 22.

[OAC rule 3745-77-07(C)(1)]

e. Emission Limitation: 46.7 lbs PE/hr

Applicable Compliance Method: The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the maximum grain loading of 0.03 gr/dscf by the baghouse's maximum volumetric air flow (3,000 acfm) and by 60, and then dividing by 7000.

If required, compliance with the hourly allowable PE limitation shall be demonstrated through emission tests performed in accordance with OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

12. P904, Dried Stone Plant - Fine Stone Loadouts

Operations, Property and/or Equipment Description:

Load-out operations of fine limestone to either truck or railcar from storage bins #1 - #10 of Fine Stone Bins at the Dried Stone Plant.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-07(B)	Visible PE shall not exceed 20% opacity, as a 3-minute average.
c.	OAC rule 3745-17-08(B)(3)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a.]
d.	OAC rule 3745-17-11(B)	58.5 lbs of PE/hr
e.	40 CFR, Part 64 – Compliance Assurance Monitoring (CAM)	See d)(2) through d)(5) and e)(2)

(2) Additional Terms and Conditions

a. 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 a partial enclosure around the loadout operations 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 partial enclosure shall be vented to a baghouse [AAF-BGHS].

c) Operational Restrictions

(1) None

d) Monitoring and/or Recordkeeping 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 loadout operations. 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.

[OAC rule 3745-77-07(C)(1)]

(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 stack of 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 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.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(3) Notwithstanding the frequency of the daily visible emissions checks specified in section d)(2), the permittee may reduce the frequency of recordings for daily visible emissions checks from daily to three times per week readings if the following conditions are met:

a. for 2 full quarters, the permittee's recordings of daily visible emissions checks indicate no deviations; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section d)(2).

The permittee shall revert to daily readings if any deviations occur.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(4) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for the baghouse controlling this emissions unit is daily visible emission checks. When the daily visible emission checks show operation outside its normal or usual manner of operation, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(5) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

e) 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 Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1)]

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

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

f) Testing Requirements

(1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. 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 pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

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

Applicable Compliance Method: If required, the permittee shall demonstrate compliance pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(3).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 58.5 lbs PE/hr

Applicable Compliance Method: The permittee may demonstrate compliance with the hourly allowable PE limitation in accordance with the following calculation:

AAF-BGHS = a maximum grain loading of 0.03 gr/dscf multiplied by the maximum volumetric air flow (9000 dscfm), and using the appropriate conversion factors of 7000 grains/lb, 1 scf/1 acf, 60 minutes/hr. The flow rate for this

emissions unit represents 30% of the total flow rate (30,000 dscfm) from the baghouse.

If required, the permittee shall demonstrate compliace with the hourly allowable PE limitation through emission tests performed in accordance with OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

13. P905, Dried Stone Plant - Crushing, Screening, Mat. Handling

Operations, Property and/or Equipment Description:

Crushing, screening, and material handling operations associated with the production of dried stone aggregates and materials.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-07(B)	Visible PE shall not exceed 20% opacity, as a 3-minute average. [See b)(2)a.]
c.	OAC rule 3745-17-08(B)(3)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b.]
d.	OAC rule 3745-17-11(B)	64.5 lbs of PE/hr [See b)(2)c.]
e.	40 CFR, Part 64 – Compliance Assurance Monitoring (CAM)	See d)(2) through d)(17) and e)(2) through e)(3)

(2) Additional Terms and Conditions

a. Visible fugitive PE from the building enclosure controlling the following emission points and subject to OAC rule 3745-17-07(B) shall not exceed 20% opacity, as a 3-minute average:

Emission Point	Equipment Type
front end loader to feed hopper	transfer point
conveyor 45	transfer point
conveyor 24	transfer point

conveyor 25	transfer point
conveyor 27	transfer point
DO dryer feed bin	transfer point
screw conveyor 1	transfer point
DO dryer	transfer point
screw conveyor 25	transfer point
screen 27	screen
screen 28	screen
screen 29	screen
screw conveyor 27	transfer point
screw conveyor 26	transfer point
elevator 18	transfer point
surge bin	transfer point
feeder 7	transfer point
crusher 1	crusher
screw conveyor 28	transfer point
elevator 19	transfer point
screen 30	screen
air separator 1	transfer point
conveyor 32	transfer point
screen 31	screen
air separator 2	transfer point
conveyor 32	transfer point
air separator 1	transfer point
screw conveyor 31	transfer point
screw conveyor 32	transfer point

screw conveyor 33	transfer point
DRP feed bins	transfer point
screw conveyor 34	transfer point
elevator 12	transfer point
screw conveyor 8	transfer point
air separator 5	transfer point
DRP bin 3	transfer point
screen 20	screen
DRP bin 1	transfer point
DRP bin 2	transfer point
crusher 1 surge bin	transfer point
screw conveyor 26	transfer point
conveyor 32	transfer point
conveyor 33	transfer point
conveyor 34	transfer point
screw conveyor 2	transfer point
screen 12	screen
bin 4	transfer point
conveyor 44	transfer point
conveyor 43	transfer point
conveyor 42	transfer point
bin 2	transfer point
screen 13	screen
bin 3	transfer point
screen 16	screen
screen 26	screen

screen 21	screen
bin 5	transfer point
conveyor 1	transfer point
bin 5	transfer point
coarse fraction cyclone	transfer point
hopper 4476	transfer point
DRP bin 7	transfer point
DRP bin 9	transfer point
DRP bin 10	transfer point
fine fraction cyclone	transfer point
hopper 4477	transfer point
crew conveyor 15	transfer point
bin 6	transfer point
AAF baghouse	transfer point
screw conveyor 37	transfer point
screw conveyor 41	transfer point
screw conveyor 22	transfer point
elevator 12	transfer point

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 a building enclosure around the crushing, screening, and material handling operations 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 a baghouse (AAF-BGHS), a mist eliminator, and a wet scrubber.

c. The total PE from this emissions unit is emitted from the following emission points: Baghouse AAF-BGHS and Wet Scrubber P905-700WS. The limitation of 64.5 lbs PE/hr was established pursuant to OAC rule 3745-17-11(B) – Table I and was based upon the uncontrolled mass rate of PE from the two emission points.

c) Operational Restrictions

(1) None

d) Monitoring and/or Recordkeeping 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 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.

[OAC rule 3745-77-07(C)(1)]

(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 stack of 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 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.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(3) Notwithstanding the frequency of the daily visible emissions checks specified in section d)(2), the permittee may reduce the frequency of recordings for daily visible emissions checks from daily to three times per week readings if the following conditions are met:

a. for 2 full quarters, the permittee's recordings of daily visible emissions checks indicate no deviations; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section d)(2).

The permittee shall revert to daily readings if any deviations occur.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(4) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicator for the baghouse controlling this emissions unit is daily visible emission checks. When the daily visible emission checks show operation outside its normal or usual manner of operation, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(5) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V

permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(6) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range for the pressure drop across the scrubber, that must be maintained in order to demonstrate compliance, shall be between 10 to 70 inches of water.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range for the scrubber motor pump amperes, that shall be maintained in order to demonstrate compliance, shall be at a value of not less than 25 amps.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(7) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop across the scrubber (in inches of water) and the scrubber liquid motor pump amperes during operation of this emissions unit, including periods of startup and shutdown. The permittee shall record the pressure drop across the scrubber and the scrubber motor pump amperes on twice per day basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(8) Whenever the monitored value for any parameter deviates from the range(s) or minimum limit(s) established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(9) In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the control equipment parameters within the acceptable range(s), or at or above the minimum limit(s) specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation

ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date the corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the pressure drop and flow rate readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(10) These range(s) and/or limit(s) for the pressure drop and scrubber motor amperes are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted range or limit for the pressure drop or liquid flow rate based upon information obtained during future emission tests that demonstrate compliance with the allowable particulate emission rate for this/these emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(11) Notwithstanding the frequency of the recording of pressure drop across the scrubber and the scrubber liquid motor pump amperes specified in section d)(7), the permittee may reduce the frequency of recordings for the pressure drop across the scrubber and the scrubber liquid motor pump amperes from two times per day to once per day readings if the following conditions are met:

a. for 2 full quarters, the permittees recordings of pressure drop and motor pump amperes indicate no deviations; and

b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section d)(7).

The permittee shall revert to two times per day readings if any deviations occur.

(12) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicators for the scrubber controlling this emissions unit are the scrubber pressure drop and the scrubber motor pump amperes which were established in accordance with the manufacturer's recommendations and verified during site-specific

particulate emission testing and scrubber parametric data collected during the emission testing. When the pressure drop and/or the amperes of the scrubber motor pump are operating outside the indicator ranges, the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions and comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan. The scrubbers shall not be configured to have bypass capability.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(13) Scrubber operating parameters shall be re-verified as a result of any changes to the operating conditions of the scrubbers or emissions unit. In addition to periodic monitoring of their scrubber operating parameters, the permittee also has an inspection and maintenance program for the scrubbers. Based on the results of the monitoring and inspection program, repairs to the scrubbers shall be made as needed. If the current CAM indicators and/or the scrubber inspection program is considered inadequate, the permittee will develop a Quality Improvement Plan.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(14) At all times, the permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(15) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA Northwest District Office, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(16) In addition to the parametric monitoring required in Sections d)(1) – d)(4), the permittee shall conduct visual inspections of the scrubber's spray nozzles every six (6) months. At a minimum, each spray nozzle shall be inspected for the following:

a. excessive wear, or clogging; and

b. appropriate directional output to ensure that the spray is covering the entire gas stream. Records of these inspections shall be kept in accordance with the Standard Terms and Conditions of this permit.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(17) The permittee shall maintain a supply of replacement nozzles, or any other parts necessary to ensure that the scrubbing system will operate properly. Any worn, or clogged nozzles shall be replaced, or fixed during the inspection.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

e) 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 Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

[OAC rule 3745-77-07(C)(1)]

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

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

(3) The permitee shall submit quarterly deviation (excursion) reports, in accordance with the Standard Terms and Conditions of this permit, which include the following information:

a. each period of time (start time and date, and end time and date) when the pressure drop across the scrubber and/or the scrubber motor amperes was/were outside of the appropriate range or exceeded the applicable limit contained in this permit;

b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the scrubber;

c. each incident of deviation described in “a” or “b” (above) where a prompt investigation was not conducted;

d. each incident of deviation described in “a” or “b” where prompt corrective action, that would bring the pressure drop and/or scrubber motor amperes into compliance with the acceptable range, was determined to be necessary and was not taken; and

e. each incident of deviation described in “a” or “b” where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.

[OAC rule 3745-77-07(C)(1) and 40 CFR, Part 64]

f) Testing Requirements

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

a. The emission testing shall be conducted 6 months after permit issuance and 6 months prior to permit expiration.

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

c. Methods 1 through 5 of 40 CFR, Part 60, Appendix A shall be employed to demonstrate compliance with the PE emission rate.

Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is using the "worst case" raw materials and is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northwest District Office.

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

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

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

[OAC rule 3745-77-07(C)(1)]

(2) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. <u>Emission Limitation:</u> Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

<u>Applicable Compliance Method:</u> If required, the permittee shall demonstrate compliance pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

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

Applicable Compliance Method: If required, the permittee shall demonstrate compliance pursuant to the method and procedures specified in OAC rule 3745-17-03(B)(3).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation: 64.5 lbs PE/hr

Applicable Compliance Method: The permittee may demonstrate compliance with the hourly allowable PE limitation by combining the hourly emissions from the following two emission points: Baghouse AAF-BGHS and Wet Scrubber P905-700WS, in accordance with the following calculations:

AAF-BGHS = a maximum grain loading of 0.03 gr/dscf multiplied by the baghouse's maximum volumetric air flow (21,000 dscfm), and using the appropriate conversion factors of 7000 grains/lb, 1 scf/1 acf, and 60 minutes/hr. The flow rate for this emission unit represents 70% of the total flow rate (30,000 dscfm) for the baghouse.; and

P905-700WS = emissions from the scubber shall be based on the results of the most recent emission testing. This emissions unit generates 80% of the total emissions from the wet scrubber.

The permittee shall demonstrate compliance with the emission limitation from the wet scrubber based on the results of emission testing conducted in accordance with requirements specified in Section f)(1).

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.