**John R. Kasich**, Governor
**Mary Taylor**, Lt. Governor
**Craig W. Butler**, Director

3/4/2014

Certified Mail

Brent Sandberg
Carmeuse Lime Inc Millersville Operations
3964 County Rd 41
Millersville, OH 43435

Facility ID: 0372000081
Permit Number: P0087609
County: Sandusky

RE: PRELIMINARY PROPOSED AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is the Ohio Environmental Protection Agency (EPA)Preliminary Proposed Title V permit that was issued in draft form on 12/19/2013. The comment period for the Draft permit has ended. We are now ready to submit this permit to U.S. EPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to the following within 14 days of your receipt of this letter:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

If you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.If comments are not submitted within 14 days of your receipt of this letter, we will forward the proposed permit to U.S. EPA for approval. All comments received will be carefully considered before proceeding with 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

# Response to Comments

| | |
|---|---|
| Facility ID: | 0372000081 |
| Facility Name: | Carmeuse Lime Inc Millersville Operations |
| Facility Description: | Lime plant |
| Facility Address: | 3964 County Rd 41<br>Millersville, OH 43435<br>Sandusky County |
| Permit: | P0087609, Title V Permit - Renewal |
| A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the Fremont News Messenger on 12/21/2013. The comment period ended on 01/20/2014. | |
| Hearing date (if held) | |
| Hearing Public Notice Date (if different from draft public notice) | |

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

**1. Topic: No comments received**

a. Comment: None

b. Response: None

# PRELIMINARY PROPOSED

# Division of Air Pollution Control
# Title V Permit
for
Carmeuse Lime Inc Millersville Operations

| | |
|---|---|
| Facility ID: | 0372000081 |
| Permit Number: | P0087609 |
| Permit Type: | Renewal |
| Issued: | 3/4/2014 |
| Effective: | To be entered upon final issuance |
| Expiration: | To be entered upon final issuance |

**Division of Air Pollution Control**
**Title V Permit**
for
Carmeuse Lime Inc Millersville Operations

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# Authorization

| | |
|---|---|
| Facility ID: | 0372000081 |
| Facility Description: | Lime plant |
| Application Number(s): | A0018618, A0018619, A0018620, A0041578, A0042392 |
| Permit Number: | P0087609 |
| Permit Description: | Title V renewal permit for a lime manufacturing facility. |
| Permit Type: | Renewal |
| Issue Date: | 3/4/2014 |
| Effective Date: | To be entered upon final issuance |
| Expiration Date: | To be entered upon final issuance |
| Superseded Permit Number: | P0087608 |

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

Carmeuse Lime Inc Millersville Operations
3964 County Rd 41
Millersville, OH 43435

Ohio Environmental Protection Agency (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 and no later than 6 months prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
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 For State-Only Requirements

(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

(5) Standard Term and Condition A. 30.

*(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 recordingsfor 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 by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

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

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

Any submittedscheduled maintenancerequests, 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 submitted promptly to the Ohio EPA DAPC, Northwest District Office. Except as provided below, the written reports shall be submitted by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

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

These written 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 to the Ohio EPA DAPC, Northwest District Office 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." Signature by the Responsible Official may be represented by entry of the personal identification number (PIN) by the Responsible Official as part of the electronic submission process or by the scanned attestation document signed by the Responsible Official that is attached to the electronically submitted written report.

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

(5) Consistent with A.2.c.1. above, reports of any required monitoring and/or record keeping information required to be submitted to Ohio EPA shall be submitted to Ohio EPA DAPC, Northwest District Office unless otherwise specified.

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

**3. Reporting of Any Exceedence of a Federally Enforceable Emission Limitation or Control Requirement Resulting From 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) 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 permitexcept as provided pursuant to A.16 below.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with 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 contaminant 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

Officialthat, 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 Ohio EPA DAPC, Northwest District Office 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 Ohio EPA DAPC, Northwest District Office) 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 on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. Identification of each term or condition that is the basis of the certification. The identification may include a statement by the Responsible Official that every term and condition that is federally enforceable has been reviewed, and such terms and conditions with which there has been continuous compliance throughout the year are not separately identified.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittentconsistent with A.13.d.2.a above.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period consistent with A.13.d.2.a above.

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 Ohio EPA DAPC, Northwest District Office 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 Ohio EPA DAPC, Northwest District Office 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 Federal Register 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 is subject to 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.

Unless otherwise exempted, noemissions unit identified in this permit that has beencertified 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 operating appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

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

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

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

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

The permittee shall submit required reports in the following manner:

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

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 Ohio EPA DAPC, Northwest District Office. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

**25. Records Retention RequirementsUnder State Law Only**

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

**26. Inspections and Information Requests**

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

whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

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

**27. Scheduled Maintenance/Malfunction Reporting For State-Only Requirements**

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 Ohio EPA DAPC, Northwest District Office 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 Ohio EPA DAPC, Northwest District Office 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 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 potential to emit; or

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

## 30. Submitting Documents Required by this Permit

All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event ofan alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the Ohio EPA DAPC, Northwest District Office, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the Responsible Official may be represented as provided through procedures established in Air Services.

# B. Facility-Wide Terms and Conditions

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

   a) None.

2. Pursuant to 40 CFR Part 64, the permittee has submitted, and the Ohio EPA has approved a compliance assurance monitoring plan for emissions units P901, P903 and P906 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]

3. There are no insignificant emissions units with applicable requirements at this facility.

# C. Emissions Unit Terms and Conditions

## 1. F001, Roadways & Parking

**Operations, Property and/or Equipment Description:**

Plant roadways and parking lots (paved and unpaved)

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 operation(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 are identified below. 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 |
|---|---|---|
| | **Paved roadways and parking areas** | |
| a. | OAC rule 3745-17-07(B)(4) | no visible particulate emissions (PE), except for 6 minutes during any 60-minute period. |
| b. | OAC rule 3745-17-08(B) | reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust from paved and unpaved roadways [See b)(2)c., b)(2)d. and b)(2)f. through b)(2)h.] |
| | **Unpaved roadways and parking areas** | |
| c. | OAC rule 3745-17-07(B)(5) | no visible PE, except for 13 minutes during any 60-minute period. |
| d. | OAC rule 3745-17-08(B) | reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust from paved and unpaved roadways [See b)(2)e. through b)(2)h.] |

(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:

paved roadways: all asphalt, concrete and stone-paved roadways and parking areas

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

unpaved roadways: all unpaved roadways and parking areas

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 flushing with water and/or sweeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

d. The permittee shall employ reasonably available control measures on the unpaved shoulders of all paved roadways 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 shoulders of all paved roadways with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

e. The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with oil and/or water and/or resurfacing with limestone at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

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

g. 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.

h. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

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

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

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 of the roadways and parking areas in accordance with the following frequencies:

| paved roadways and parking areas: | Minimum inspection frequency: |
|---|---|
| All | Daily |

| Unpaved roadways and parking areas: | Minimum inspection frequency: |
|---|---|
| All | Daily |

[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 (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)]

e) Reporting Requirements

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

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

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

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

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

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation:</u>
There shall be no visible emissions of fugitive dust from the paved roadways and/or parking areas, except for a period of time not to exceed 6 minutes during any 60-minute observation period.

<u>Applicable Compliance Method:</u>
Compliance with the visible emissions limitation for fugitive dust from the paved roadways and/or parking areas identified in this permit shall be determined in

accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

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

b. Emission Limitation:
There shall be no visible emissions of fugitive dust from the unpaved roadways and/or parking areas, except for a period of time not to exceed 13 minutes during any 60-minute observation period.

Applicable Compliance Method:
Compliance with the visible emissions limitation for fugitive dust from the unpaved roadways and/or parking areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

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

g) Miscellaneous Requirements

(1) None.

## 2. F002, Stock Piles

**Operations, Property and/or Equipment Description:**

Storage piles

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)(a), as effective 11/30/01 (PTI P0107876, issued 6/10/11) | 13.1 tons fugitive particulate emissions (PE)/year<br><br>6.59 tons fugitive particulate matter of 10 microns or less in size (PM10)/year<br><br>No visible emissions, except for a period of time not to exceed one minute during any 60-minute observation period.<br><br>See b)(2)b.<br><br>Compliance with OAC rules 3745-17-08(B) and 3745-17-07(B) |
| b. | OAC rule 3745-31-05(A)(3), as effective 12/01/06 (PTI P0107876, issued 6/10/11) | See b)(2)c. |
| c. | OAC rule 3745-17-07(B)(6) | There shall be no visible emissions of fugitive dust from the material storage piles except for a period of time not to exceed 13 minutes during any 60-minute observation period<br><br>See b)(2)i. |
| d. | OAC rule 3745-17-08(B) | best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)d. through b)(2)h.] |

(2) Additional Terms and Conditions

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

i. Solid fuel (3);

ii. Limestone (15);

iii. Aglime (1);

iv. Lime (12); and

v. Mill scale (1).

b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by US EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the US EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once US EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.

c. This rule paragraph applies once US EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The "Best Available Technology (BAT)" requirements under OAC rule 3745-31-05(A)(3)(a) are not applicable to the particulate emissions (PE) emitted from this emissions unit (PE is emitted in the form of filterable PM10 emissions). BAT is only applicable to emissions of an air contaminant or precursor of an air contaminant for which a national ambient air quality standard (NAAQS) has been adopted under the Clean Air Act. Particulate emissions (also referred to as total suspended particulate or particulate matter) is an air contaminant without an established NAAQS.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PM10 emissions from this air contaminant source since the uncontrolled potential to emit for PM10 is less than 10 tons/year.

d. 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 application, the permittee has committed to maintaining reduced drop heights and watering lime piles as needed to ensure compliance.

The operator shall avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

e. 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.

f. 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 application, the permittee has committed to maintenance of low pile height and watering lime piles as needed to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other equally-effective control measures to ensure compliance.

g. 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.

h. 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 rules 3745-17-08(B) and 3745-31-05(A)(3)(a).

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

It shall be noted, however, that the emission limitation specified by this rule shall become effect after the SIP revisions identified in b)(2)b. above are approved by U.S. EPA.

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:

| orage pile identification | minimum load-in inspection frequency |
|---|---|
| all | all |

[OAC rule 3745-77-07(C)(1) and PTI P0107876]

(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:

| storage pile identification | minimum load-out inspection frequency |
|---|---|
| all | daily |

[OAC rule 3745-77-07(C)(1) and PTI P0107876]

(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:

| storage pile identification | minimum wind erosion inspection frequency |
|---|---|
| all | daily |

[OAC rule 3745-77-07(C)(1) and PTI P0107876]

(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 P0107876]

(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 P0107876]

(6) 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 P0107876]

(7) 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)(7)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 P0107876]

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.

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

[OAC rule 3745-77-07(C)(1) and PTI P0107876]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitations</u>:
13.1 tons fugitive PE/year and 6.59 tons fugitive PM10/year

Applicable Compliance Method:
Compliance shall be determined by combining the emissions from each load-in and load-out operation and from wind erosion from each storage pile as listed in the permittee's application. Each load-in and load out operation emission rate is based on a maximum load-in and load-out rate identified below as listed in the permit application and each wind erosion emission rate is based on the following maximum acreage for each storage pile as listed in the permit application:

| Pile | Maximum load-in rate (tons) | Maximum acreage | Moisture Content (%) | Silt Content (%) | Control Efficiency (%) |
|---|---|---|---|---|---|
| Solid Fuel Primary | 65,000 | 0.18 | 6.5 | 1.0 | N/A |
| Solid Fuel | 5,000 | 0.11 | 6.5 | 1.0 | N/A |
| Solid Fuel Overstock | 5,000 | 0.03 | 6.5 | 1.0 | N/A |
| Stone Large 1 | 75,000 | 1.61 | 4.0 | 2.0 | N/A |
| Stone Large 2 | 75,000 | 1.43 | 4.0 | 2.0 | N/A |
| Stone AOD 1 | 150,000 | 0.46 | 4.0 | 2.0 | N/A |
| Stone AOD 2 | 150,000 | 0.46 | 4.0 | 2.0 | N/A |
| Stone Ramp | 10,000 | 0.46 | 4.0 | 2.0 | N/A |
| Stone Fusite 1 | 72,500 | 0.46 | 4.0 | 2.0 | N/A |
| Stone Fusite 2 | 72,500 | 0.46 | 4.0 | 2.0 | N/A |
| Stone tunnel 1 | 10,000 | 0.05 | 4.0 | 2.0 | N/A |
| Stone Tunnel 2 | 10,000 | 0.05 | 4.0 | 2.0 | N/A |
| Stone Tunnel 3 | 10,000 | 0.05 | 4.0 | 2.0 | N/A |
| Stone Tunnel 4 | 10,000 | 0.05 | 4.0 | 2.0 | N/A |
| Mill Scale (iron oxide) | 6,000 | 0.03 | 1.0 | 1.0 | N/A |
| Screenings 1 | 5,000 | 1.15 | 4.0 | 2.0 | N/A |
| Screenings 2 | 5,000 | 1.15 | 4.0 | 2.0 | N/A |
| Screenings 3 | 5,000 | 1.72 | 4.0 | 2.0 | N/A |
| Aglime (not calcined) | 15,000 | 1.55 | 1.0 | 4.0 | N/A |

| Pile | Maximum load-in rate (tons) | Maximum acreage | Moisture Content (%) | Silt Content (%) | Control Efficiency (%) |
|---|---|---|---|---|---|
| Lime Screenings Scrap | 35,000 | 0.57 | 1.0 | 4.0 | 90% |
| Stone Pile Process | 25,000 | 0.10 | 4.0 | 2.0 | N/A |
| Rail Car Cleanout | 1,000 | 0.02 | 1.0 | 4.0 | 90% |
| Fusite Overload | 750 | 0.04 | 1.0 | 4.0 | 90% |
| Lime Overload | 750 | 0.01 | 1.0 | 4.0 | 90% |
| 14 Bin Oversize | 750 | 0.01 | 1.0 | 4.0 | 90% |
| Process Scrap | 5,000 | 0.01 | 1.0 | 4.0 | 90% |
| K1 Dust Chamber | 250 | 0.01 | 1.0 | 4.0 | 90% |
| K2 Dust Chamber | 250 | 0.01 | 1.0 | 4.0 | 90% |
| K1 Scrubber/ductwork Cleanout | 250 | 0.01 | 1.0 | 4.0 | 90% |
| K2 Scrubber/ductwork Cleanout | 250 | 0.01 | 1.0 | 4.0 | 90% |
| Scrubber Cleanout (general) | 100 | 0.02 | 1.0 | 4.0 | 90% |
| Process Scrap | 250 | 0.01 | 1.0 | 4.0 | 90% |

The emission rate for each pile was determined as follows:

I. Load-in – The PE/PM10 emission limitations were established by multiplying the maximum load-in rate given above by the appropriate emission factor calculated from AP-42 section 13.2.4 (11/06), dividing by 2000 lbs/ton, and applying a 90% control efficiency for watering, if applicable.

II. Load-out - The PE/PM10 emission limitations were established by multiplying the maximum load-in rate given above by the appropriate emission factor calculated from AP-42 section 13.2.4 (11/06), dividing by 2000 lbs/ton, and applying a 90% control efficiency for watering, if applicable.

III. Wind Erosion - The PE/PM10 emission limitations were established by multiplying the maximum acres as given above by the appropriate

emission factor calculated from USEPA's Control of Open Fugitive Dust Sources (September 1988), multiplying by a maximum operating schedule of 365 days per year and dividing by 2000 lbs/ton.

[OAC rule 3745-77-07(C)(1) and PTI P0107876]

b. Emission Limitation:
No visible emissions, except for a period of time not to exceed one minute during any 60-minute observation period.

Applicable Compliance Method:
Compliance with the visible emissions limitation for fugitive dust from the material storage piles areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

[OAC 3745-17-03(B)(4) and OAC rule 3745-77-07(C)(1) and P0107876]

c. Emission Limitation:
There shall be no visible emissions of fugitive dust from material storage piles, except for a period of time not to exceed 13 minutesduring any 60-minute observation period.

Applicable Compliance Method:
Compliance with the visible emissions limitation for fugitive dust from the material storage piles areas identified in this permit shall be determined in accordance with U.S. EPA Method 22 and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

[OAC 3745-17-03(B)(4) and OAC rule 3745-77-07(C)(1) and P0107876]

g) Miscellaneous Requirements

(1) None.

## 3. F004, Secondary Crushing & Screening

**Operations, Property and/or Equipment Description:**

Secondary crushing and screening of limestone (Grinding 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 operation(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 are identified below. 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 3745-17-08(B) | reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust |
| b. | OAC rule 3745-17-07(B)(1) | Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a three-minute average, except as provided by rule |

(2) Additional Terms and Conditions

a. The inherent moisture of the material (with additional water, if necessary) and the enclosure of the building for the screening operation have been determined to be reasonable available control measures (RACM) for this operation.

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

secondary crushing, screening and conveying operations with transfer points

c. The permittee shall employ reasonably available control measures for the above-identified material handling operation(s) 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 perform the following control measure(s) to ensure compliance:

i. <u>Material Handling Operation(s):</u>
secondary crushing, screening, and conveying with transfer points

Control Measures:
enclosure and naturally occurring high moisture content

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

d. 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) 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 emissions of fugitive dust from the building enclosing the two primary screens which are part 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. 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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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 identify:

a. all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible 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 Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a three-minute average, except as provided by rule.

Applicable Compliance Method:
Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-17-03(B)(3)]

g) Miscellaneous Requirements

(1) None.

**4. F007, Truck & rail loadout station #2**

**Operations, Property and/or Equipment Description:**

Truck & rail loadout station #2

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 operation(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 are identified below. 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# P0115870, issued 11/27/13) | 11.40 tons fugitive particulate emissions (PE)/year<br><br>See b)(2)a. and b)(2)b. |
| b. | OAC rule 3745-17-08(B) | Reasonable available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)c.] |
| c. | OAC rule 3745-17-07(B)(1) | Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average. |

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B) and 3745-17-07(B)(1).

b. All particulate emissions (PE) are assumed to be particulate matter less than 10 microns in size ($PM_{10}$).

c. The permittee shall employ reasonable 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 dustless spout (spout under negative pressure that collects dust and returns it to spout and truck).

c) Operational Restrictions

(1) The maximum annual throughput of non-oiled material shall not exceed 96,500 tons.

[OAC rule 3745-77-07(A)(1) and PTI# P0115870]

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 emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving these emissions units. 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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item d)(3)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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 PTI# P0115870]

(2) The permittee shall maintain monthly records of the amount of non-oiled material loaded from 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# P0115870]

e) Reporting Requirements

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

a. all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible 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# P0115870]

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

[OAC rule 3745-77-07(C)(1) and PTI# P0115870]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
11.40 tons fugitive PE/year each

Applicable Compliance Method: The annual fugitive emission limitation was established by multiplying AP-42 emission factors of 1.50 lb PE/ton for open trucks/rail cars and 0.61 lb PE/ton for closed trucks/rail cars [Section 11.17-4 (2/98)], by a maximum annual loadout of non-oiled product of 96,500 tons, assuming 80% closed trucks/rail cars and 20% open trucks/rail cars, applying a 70% control efficiency and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual non-oiled product throughput restriction, compliance with the annual emission limitation shall be assumed.

[OAC rule 3745-77-07(C)(1) and PTI# P0115870]

b. Emission Limitation:
Visible emissions of fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method:
Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

[OAC rule 3745-77-07(C)(1) and PTI# P0115870]

g) Miscellaneous Requirements

(1) None.

**5. P012, Solid Fuel Handling (Ball Mills)**

**Operations, Property and/or Equipment Description:**

Solid fuel handling system and ball mills.

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 operation(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 are identified below. 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 percent opacity, as a six-minute average, except as otherwise provided by rule. |
| b. | OAC rule 3745-17-11 | See b)(2)a. |
| c. | OAC rule 3745-31-05(A)(3)<br>(PTI #03-5693) | 0.5 lb PE/hr<br><br>There shall be no visible fugitive emission from this emissions unit.<br><br>The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A). |

(2) Additional Terms and Conditions

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

b. All PE from this emission unit shall be vented to a baghouse.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall performdaily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the

stack(s)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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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 weather conditions allow, for any visible emissions of fugitive dust from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

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

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

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

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; and

b. 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)]

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

a. all days during which any visible emissions of fugitive dust were observed from this emissions unit; and

b. any corrective actions taken to eliminate the visible 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 Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
Visible PE from the stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:
Compliance with the stack visible PE limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

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

b. Emission Limitation:
0.5 lb PE/hr

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the hourly PE limitation in accordance with Methods 1-5 of 40 CFR, Part 60, Appendix A.

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

c. Emission Limitation:
There shall be no visible fugitive emission from this emissions unit.

Applicable Compliance Method:
Compliance with the visible emissions limitation for the fugitive dust identified in this permit shall be determined in accordance with U.S. EPA Method 22.

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

g) Miscellaneous Requirements

(1) None.

**6. P903, Lime and DBD material handling equipment - finish building**

**Operations, Property and/or Equipment Description:**

Lime and DBD material handling equipment - finish building

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 operation(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 are identified below. 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 percent opacity, as a six-minute average, except as provided by rule. |
| b. | ORC 3704.03(T)<br>(PTI #P0116172, issued 2/27/14) | 0.01 grain particulate matter ≤ 10 microns ($PM_{10}$)/dry standard cubic foot (dscf) from #8 bin baghouse stack<br><br>See b)(2)a. |
| c. | OAC rule 3745-17-11(B) | <u>Emissions from Amerpulse and Green-Donaldson baghouse stacks, combined:</u><br><br>47.0 lbs PE/hr<br><br>See b)(2)c. |
| d. | OAC rule 3745-17-08(B)(3) | The controlled emissions from the stacks shall achieve an outlet emission rate of not greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases or there shall be no visible emissions (whichever is less stringent) from the Amerpulse and Green-Donaldson exhaust stacks.<br><br>See b)(2)b. |
| e. | OAC rule 3745-17-07(B)(1) | Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average. |

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| f. | 40 CFR 64 – Compliance Assurance Monitoring (CAM) | See d)(2) through d)(5) and e)(2) |

(2) Additional Terms and Conditions

a. The "Best Available Technology" (BAT) requirement under ORC 3704.03(T) has been determined to be the use of a baghouse control device capable of achieving a maximum outlet concentration of 0.01 grains $PM_{10}$/dscf for the #8 product bin.

b. All PE from the emissions unit shall be vented to 3 baghouses.*

*The Amerpulsebaghouse, manufactured by American Air Filter and installed in June 1947, is 100% dedicated to controlling emissions from P903. The Green-Donaldson baghouse, manufactured by Donaldson Day and installed in April 1989, controls emissions from P903 and emission units P901 and P906. The #8 bin baghouse, manufacturer by Liberator and installed in 2014 is 100% dedicated to the #8 bin which is part of the material handling equipment for P903.

c. The emission limitation established by this rule is less stringent than the emission limitation established in accordance with ORC 3704.03(T) for #8 bin baghouse stack.

d. The installation and use of hoods, fans, and/or other equipment to adequately enclose, contain, capture, vent, and control fugitive dust from this emissions unit shall meet the following requirements:

i. the collection efficiency shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and

ii. the control equipment for this emissions unit shall achieve an outlet emission rate of not greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases or there shall be no visible PE (whichever is less stringent) from the exhaust stack of this emissions unit.

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 emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving these emissions units. 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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item d)(3)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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 PTI #P0116172]

(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(s) 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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item d)(2)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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 PTI #P0116172]

(3) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicators for the baghouse controlling this emissions unit are daily visible emission checks specified in d(2) and preventative maintenance inspections specified in d)(5).

When the performance indicators 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 orexceedance, 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]

(5) Baghouse operating parameters shall be re-verified as a result of any changes to the operating conditions of the baghouse or emissions unit. In addition to daily visible emission checks from the baghouse stack, the permittee also has a preventative maintenance schedule in place to ensure effective emissions control.

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

e) Reporting Requirements

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

a. all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible 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 #P0116172]

(2) 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 emission unit; and

b. any corrective actions taken eliminate the visible 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), 40 CFR Part 64 and PTI #P0116172]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance with the stack visible particulate emissions limitation shall be determined in accordance with OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1), OAC rule 3745-17-03(B)(1) and PTI #P0116172]

b. Emission Limitation:
47.0 lbs PE/hr from Amerpulse and Green-Donaldson baghouse stacks, combined

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the hourly PE limitation by emission testing conducted in accordance with OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1), OAC rule 3745-17-03(B)(10) and PTI #P0116172]

c. Emission Limitation:
The controlled emissions from the stacks shall achieve an outlet emission rate of not greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases

or there shall be no visible emissions (whichever is less stringent) from the Amerpulse and Green-Donaldson exhaust stacks.

Applicable Compliance Method:
Compliance with the requirement for no visible particulate emissions from the exhaust stack, identified in this permit, shall be determined in accordance with Method 22 of 40 CFR, Part 60, Appendix A. If opting to comply with the outlet particulate emissions rate, compliance with the 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases from the stack shall be determined in accordance with Methods 1 through 5, of 40 CFR, Part 60, Appendix A, as appropriate.

[OAC rule 3745-77-07(C)(1), OAC rule 3745-17-03(B)(7) and PTI #P0116172]

d. Emission Limitation:
Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average.

Applicable Compliance Method:
If required, compliance with the limitation for visible emissions of fugitive dust shall be determined in accordance with the procedures specified in OAC rule 3745-17-03(B)(3).

[OAC rule 3745-77-07(C)(1), OAC rule 3745-17-03(B)(3) and PTI #P0116172]

e. Emission Limitation:
0.01 grain particulate matter ≤ 10 microns ($PM_{10}$)/dry standard cubic foot (dscf) from #8 bin baghouse stack

Applicable Compliance Method:
If required, compliance with the emission limitation shall be demonstrated in accordance with the test methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1-4 and in 40 CFR Part 51, Appendix M, Methods 201/201A and 202.

g) Miscellaneous Requirements

(1) None.

**7. P904, Truck unloading; mobile transloader with dust collector**

**Operations, Property and/or Equipment Description:**

Truck unloading; mobile transloader with dust collector

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 operation(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 are identified below. 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)<br>(PTI P0104705, issued 7/15/09) | 0.007 gr filterable particulate matter less than or equal to 10 microns ($PM_{10}$)/dscf; 0.18 ton $PM_{10}$/year from dust collector stack<br><br>0.79 ton fugitive particulate emissions (PE)/year<br><br>Visible PE shall not exceed 5% opacity as a 6-minute average from the dust collector stack<br><br>See b)(2)a. |
| b. | OAC rule 3745-31-05(A)(3)(a) | See b)(2)b. |
| c. | OAC rule 3745-31-05(A)(3)(a) | See b)(2)c. |
| d. | OAC rule 3745-17-07(A) | See b)(2)d. |
| e. | OAC rule 3745-17-07(B) | Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average except as provided by rule. |
| f. | OAC rule 3745-17-08(B) | Reasonable available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust<br><br>See b)(2)e. |
| g. | OAC rule 3745-17-11(B)(5)(a) | 0.310 lb PE per million Btu of actual heat input for a stationary small internal |

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| | | combustion engine |
| h. | OAC rule 3745-18-06(G) | See b)(2)f. |
| i. | OAC rule 3745-110-03 | See b)(2)g. |

(2) Additional Terms and Conditions

a. This permit to install (PTI) takes into account the following voluntary restrictions as proposed by the permittee for the purpose of establishing practically and legally enforceable limitations.

i. use of a dust collector achieving a maximum outlet concentration of 0.007 gr/dscf and a 99% capture efficiency; and

ii. a visible emission restriction (associated with the maximum outlet concentration) not to exceed 5% opacity as a 6-minute average from the dust collector stack.

All emissions of particulate matter from the dust collector stack are $PM_{10}$. For purposes of major new source review all emissions of fugitive particulate matter are assumed to be $PM_{10}$.

b. The "Best Available Technology (BAT)" requirements under OAC rule 3745-31-05(A)(3)(a) are not applicable to the particulate emissions from this emissions unit. BAT is only applicable to emissions of an air contaminant or precursor of an air contaminant for which a national ambient air quality standard (NAAQS) has been adopted under the Clean Air Act. Particulate emissions (also referred to as total suspended particulate or particulate matter) is an air contaminant that does not involve an established NAAQS.

c. BAT requirements under OAC rule 3745-31-05(A)(3)(a) do not apply to emissions of nitrogen oxides ($NO_x$), sulfur dioxide ($SO_2$), carbon monoxide (CO) and organic compounds (OC) from this emissions unit since the potential to emit for $NO_x$, $SO_2$, CO and OC are less than ten tons per year.

$NO_x$, $SO_2$, CO and OC are emitted from a small diesel engine associated with this emissions unit.

BAT requirements also do not apply to the $PM_{10}$ emissions emitted from the small diesel engine. All $PM_{10}$ emissions from both transloading operations and $PM_{10}$ emissions from the diesel engine are less than 10 tons per year.

Potential emissions from the engine were calculated by multiplying the appropriate emissions factor from AP-42 3.3-1(revised 10/96) for small diesel IC engines, by a maximum engine power rating of 31 horsepower and a maximum operating schedule of 8,760 hours per year. Emissions factors and potential annual emissions for each pollutant are identified below:

| | | |
|---|---|---|
| $NO_x$ | 0.031 lb/hp-h | 4.20 tons per year |
| $SO_2$ | 0.00205 lb/hp-h | 0.26 ton per year |
| CO | 0.00668 lb/hp-h | 0.92 ton per year |
| OC | 0.00247 lb/hp-h | 0.35 ton per year |
| $PM_{10}$ | 0.00220lb/hp-h | 0.30 ton per year |

d. The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to the voluntary restrictions contained in this permit.

e. This emissions unit is located within an Appendix A area, as defined under OAC rule 3745-17-08, and therefore must employ reasonable available control measures (RACM) for the control of fugitive dust emissions. The control measures established through the voluntary restrictions in b)(2)a. above satisfy the reasonable available control measures required pursuant to this rule.

f. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

g. This emissions unit is exempt from the requirements of OAC rule 3745-110-03 pursuant to OAC rule 3745-110-03(J)(3).

c) Operational Restrictions

(1) The permittee shall combust only diesel fuel that meets the per gallon standards of 40 CFR 80.510.

[OAC rule 3745-77-07(A)(1) and PTI# P0104705]

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 dust collector stack and for any visible fugitive particulate emissions from this emissions unit.

The presence or absence of any visible emissions from the dust collector shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;

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

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

The presence or absence of any visible fugitive particulate emissions from this emissions unit shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

d. the location and color of the emissions;

e. whether the emissions are representative of normal operations;

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

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

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

i. if visible fugitive particulate 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 fugitive particulate emission incident under item (g) above or continue the daily check until the incident has ended. The observer may indicate that the visible fugitiveparticulate 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 fugitive particulate 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 fugitive particulate emissions.

[OAC rule 3745-77-07(C)(1)and PTI# P0104705]

(2) For each day during which the permittee burns a fuel other than diesel fuel as specified in c)(1), the permittee shall maintain a record of the type, quantity and documentation of the sulfur content of fuel burned in this emissions unit.

[OAC rule 3745-77-07(C)(1) and PTI# P0104705]

(3) The permittee shall use records of fuel supplier certification to demonstrate compliance with the operational restriction in c)(1). Records of fuel supplier certification shall include the following information:

a. The name of the oil supplier; and

b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in c)(1).

[OAC rule 3745-77-07(C)(1) and PTI# P0104705]

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 dust collector stack serving this emissions unit;

b. all days during which any visible fugitive particulate emissions were observed from this emissions unit; and

c. any corrective actions taken to minimize or eliminate the visible particulate emissions from the dust collector and/or visible fugitive particulate emissions from this emissions unit.

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# P0104705]

(2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel as specified in c)(1) 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# P0104705]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation:</u>
0.007 gr filterable $PM_{10}$/dscf

<u>Applicable Compliance Method:</u>
The emission limitation was established in accordance with the manufacturer's-guaranteed outlet grain loading for the dust collector.

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 201/201A of 40 CFR Part 51, Appendix M. Alternative U.S. EPA - approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

[OAC rule 3745-77-07(C)(1) and PTI# P0104705]

b. <u>Emission Limitation:</u>
0.18 ton filterable $PM_{10}$/year

Applicable Compliance Method:
The annual limitation was established by multiplying the maximum outlet concentration of 0.007 gr filterable $PM_{10}$/dscf and the maximum volumetric air flow rate (600 acfm) from this emissions unit to the fabric filter, 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 0.007 gr filterable $PM_{10}$/dscf limitation, compliance with the annual limitation shall be demonstrated.

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 PTI# P0104705]

c. Emission Limitation:
0.79 ton fugitive PE/year

Applicable Compliance Method:
Compliance with the fugitive PE shall be demonstrated by multiplying an emission factor from AP-42 Table 11.17-4 (revised 2/98) of 0.61 lb PE/ton, a maximum throughput of 30 tons per hour, a maximum operating schedule of 8,760 hours per year, a conversion factor of ton/2000 lbs and applying a 99% dust collector capture efficiency.
[OAC rule 3745-77-07(C)(1) and PTI# P0104705]

d. Emission Limitation:
0.310 lb PE per million Btu of actual heat input for a stationary small internal combustion engine

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.310 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).
[OAC rule 3745-77-07(C)(1) and PTI# P0104705]

e. Emission Limitation:
Visible PE shall not exceed 5% opacity as a 6-minute average from the dust collector stack.

Applicable Compliance Method:
If required, compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.
[OAC rule 3745-77-07(C)(1) and PTI# P0104705]

f. Emission Limitation:
Visible fugitive PE shall not exceed 20% opacity as a 3-minute average except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(3).

[OAC rule 3745-77-07(C)(1) and PTI# P0104705]

g) Miscellaneous Requirements

(1) None.

## 8. Emissions Unit Group -Rotary Lime Kilns: P005,P006,

| EU ID | Operations, Property and/or Equipment Description |
|---|---|
| P005 | Rotary Kiln #1 with scrubber |
| P006 | Rotary Kiln #2 with scrubber |

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 operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-17-11(B) | See b)(2)a. |
| b. | OAC rule 3745-17-07(A) | Visible particulate emissions (PE) from the scrubber stack shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule. |
| c. | OAC rule 3745-18-78(B) | 25.0 pounds of sulfur dioxide ($SO_2$)/ton of product |
| d. | 40 CFR Part 63, Subpart AAAAA (63.7080 through 63.7143)<br><br>(Table 1 – Emission Limit #2)<br><br>(Table 1 – Emission Limit # 7)<br><br>(Table 1 – Emission Limit #8 for PSH operations enclosed in a building) | <br><br>Particulate emissions (PE) shall not exceed 0.60 pound per ton of stone feed.<br><br>Visible fugitive PE shall not exceed 10% opacity, as a 6-minute average from processed stone handling operations (PSH) [See b)(2)b.]<br><br>See b)(2)c.<br><br>See b)(2)d. |
| e. | 40 CFR Part 63.1-15<br>[40 CFR Part 63.7140] | Table 8 to Subpart AAAAA of Part 63 – Applicability of General Provisions to Subpart AAAAA of Part 63 – shows which parts of the General Provisions in 40 CFR 63.1-15 apply. |

(2) Additional Terms and Conditions

a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 63, Subpart AAAAA (Table 1 – Emission Limit #2).

b. Processed stone handling operations associated with this emission unit include:

i. For emissions unit P005:

26 conveyor
1 conveyor
13 bin
1 bin
2 bin
3 conveyor
2 elevator
4 elevator

ii. For emissions unit P006:

26 conveyor
1 conveyor
3 bin
4 bin
31 conveyor

c. All individually affected PSH operations must comply with the applicable opacity limitation in 40 CFR Part 63, Subpart AAAAA Table 1 – emission limit #7, or the building must comply with the following:

i. There must be no visible emissions from the building, except from a vent; and vent emissions must not exceed the stack emissions limitations in items 5 and 6 of Table 1.

Processed stone handling operations inside a building associated with emissions units P005 and P006 include:

28 conveyor
2 conveyor
Midwestern screen
16 conveyor
4x14 screen
3x12 screen
18 conveyor
17 conveyor
13 elevator
Tornado crusher

d. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart AAAAA (MACT for Lime Manufacturing Plants), including the following sections:

| | |
|---|---|
| 63.7090(a) and Table 1 of Subpart AAAAA of Part 63 | Emission limitations |
| 63.7100 | General requirements |

e. The emissions from these emissions units shall be vented to a wet scrubber at all times the emissions units are in operation.

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

c) Operational Restrictions

(1) The permittee shall burn only natural gas, no.4 fuel oil, no. 6 fuel oil, no. 2 fuel oil, petroleum coke and/or coal in these emissions unit.

(2) The quality of oil, coal and/or petroleum coke burned in these emissions units shall meet, on an as-received basis, a sulfur content (in percent, by weight) that is no greater than the sulfur content (in percent, by weight) measured during the most recent emission test that demonstrated that the emissions unit was in compliance with the limitation of 25 lbs $SO_2$/ton of product.

(3) The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart AAAAA, including the following sections:

| | |
|---|---|
| 63.7090(b) and Table 2 of Subpart AAAAA of Part 63 | Operating requirements for wet scrubber |
| 63.7113 | Monitoring installation, operation and maintenance requirements |

[OAC rule 3745-77-07(A)(1) and 40 CFR Part 63, Subpart AAAAA]

d) Monitoring and/or Recordkeeping Requirements

(1) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the permittee shall maintain the 3-hour block exhaust gas stream pressure drop across the wet scrubber greater than or equal to the pressure drop operating limit established during the most recent PE performance test; and maintain the 3-hour block scrubbing liquid flow rate greater than the flow rate operating limit established during the most recent performance test.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63, Subpart AAAAA]

(2) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop across the scrubber (in pounds per square inch, gauge) and

the scrubber liquid flow rate (in gallons per minute) during operation of this/these emissions unit(s), including periods of startup and shutdown. The permittee shall record the pressure drop across the scrubber and the scrubber liquid's flow rate on a continuous basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

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.

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:

f. a description of the corrective action;

g. the date the corrective action was completed;

h. the date and time the deviation ended;

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

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

k. 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)]

(3) The permittee shall collect or require its supplier(s) to collect a representative grab sample of coal and/or petroleum coke from each shipment. A shipment may be

comprised of multiple loads from the same supplier's batch, and the quality for the coal and/or petroleum coke for those loads may be represented by a single batch analysis from the supplier. In lieu of performing on-site grab sampling, representative fuel analysis performed by the fuel supplier(s) is acceptable.

The representative sampling procedures for the collection of coal and/or petroleum coke shall be performed in accordance with the most recently approved ASTM methods.

The representative sample from each shipment of coal and/or petroleum coke shall be analyzed for sulfur content (weight percent) and heat content (Btu/pound of coal/coke). The procedures for the analytical methods shall be performed in accordance with the most recently approved ASTM methods. Alternative, equivalent methods may be used upon approval from the Ohio EPA, Northwest District Office.

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

(4) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content. A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quantity of the oil for those loads may be represented by a single batch from the supplier.

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

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

(5) The permittee shall maintain monthly records of the total quantity of no. 6 fuel oil, no. 2 fuel oil, no. 4 fuel oil, coal and/or petroleum coke received and the results of the analyses for sulfur content and heat content.

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

(6) For each day during which the permittee burns a fuel other than natural gas, no. 4 fuel oil, no. 6 fuel oil, no. 2 fuel oil, petroleum coke and/or coal, the permittee shall maintain record of the type and quantity of fuel burned in these emissions units.

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

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

| | |
|---|---|
| 63.7113 | Monitoring, installation, operation and maintenance requirements |
| 63.7120, 63.7121 and Tables 5 and 6 of Subpart AAAAA of Part 63. | Monitoring and data collection do demonstrate continuous compliance with operating limits and periodic monitoring for compliance with opacity and visible emission limits |
| 63.7132 and 63.7133 | Recordkeeping requirements |

[40 CFR Part 63, Subpart AAAAA]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than no. 4 fuel oil, no. 6 fuel oil, no. 2 fuel oil, coal, petroleum coke, and/or natural gas was burned in these emissions units. Each report shall be submitted within 30 days after the deviation occurs.

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

(2) The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any record which shows the sulfur content (in percent, by weight) measured during the most recent emission test that demonstrated that the emissions units were in compliance with the limitation of 25.0 lbs SO2/ton of product. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the deviation occurs.

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

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

a. each period of time (start time and date, and end time and date)when the pressure drop across the scrubber and/or the liquid flow rate was/were outside of the appropriate range or exceeded the applicable limit established during the most recent PE performance test;

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 liquid flow rate 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.

The quarterly reports shall be submitted,electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

[OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C); and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall with the applicable notification and reporting requirements required under 40 CFR Part 63, Subpart AAAAA, including the following sections:

| | |
|---|---|
| 63.7114(c) | Notification of compliance status |
| 63.7130 | Notification requirements |
| 63.7131 and Table 7 of Subpart AAAAA of Part 63 | Reports and submittal requirements |

[40 CFR Part 63, Subpart AAAAA]

f) Testing Requirements

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

a. The emission testing shall be conducted no later than 6 months after the effective date of this permit to demonstrate compliance with the allowable mass emission rate for PE, and SO2 for emissions units P005 and P006.

b. The following test methods shall be employed to demonstrate compliance with the following:

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

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

c. The tests shall be conducted while the emissions unit is operating at representative operating conditions, unless otherwise specified or approved by the Ohio EPA, NWDO.

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

prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

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

e. The permittee shall comply with the applicable testing requirements required under 40 CFR Part 63, Subpart AAAAA, including the following sections:

| | |
|---|---|
| 63.7111, 63.7112 and Table 4 of Subpart AAAAA of Part 63 | Performance test frequency and requirements |

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:
25.0 pounds $SO_2$ per ton of product

Applicable Compliance Method:
Compliance with the $SO_2$ limitation shall be demonstrated by emissions testing conducted in accordance with the test methods and procedures specified in Section f)(1) and the recordkeeping requirements in Sections d)(3), d)(4) and d)(5) of this permit.

[OAC rule 3745-77-07(C)(1) and OAC rule 3745-18-04(A)]

Emission Limitation:
PE shall not exceed 0.60 pound per ton of stone feed (lb/tsf).

Applicable Compliance Method:
Compliance with the 0.60 pounds per ton of stone feed limitation shall be determined in accordance with the test methods and procedures specified in Section f(1).

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63 Subpart AAAAA]

b. Emission Limitation:
Visible fugitive PE shall not exceed 10% opacity, as a 6-minute average from processed stone handling operations.

Applicable Compliance Method:
Compliance with the applicable visible emissions limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9 and each of the consecutive 6-minute opacity averages must not exceed the applicable opacity limit.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63 Subpart AAAAA]

c. Emission Limitation:
40 CFR Part 63, Subpart AAAAA, Table 1 – Emission Limit #8 for PSH operations enclosed in a building

The process stone handling operations enclosed inside a building and subject to opacity restrictions identified in Table 1 include:

28 conveyor
2 conveyor
Midwestern screen
16 conveyor
4x14 screen
3x12 screen
18 conveyor
17 conveyor
13 elevator
Tornado crusher

Applicable Compliance Method:
Compliance with the opacity limitation shall be determined in accordance with the requirements of 40 CFR Part 63, Subpart AAAAA, Table 6.

[OAC rule 3745-77-07(C)(1) and 40 CFR Part 63 Subpart AAAAA]

g) Miscellaneous Requirements

(1) None.

## 9. Emissions Unit Group -truck/rail loadout: P901,P906,

| EU ID | Operations, Property and/or Equipment Description |
|---|---|
| P901 | material load out with retractable spouts and baghouse |
| P906 | Truck and rail loadout station #3 |

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 operation(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 are identified below. 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)<br>(PTI# P0108502, issued 8/20/13) | <u>Stack Emissions</u><br>0.03 grain (gr) particulate emissions (PE)/dry standard cubic feet (dscf); 3.38 tons PE/year for P901 and P906 combined from the baghouse stack<br><br>Visible PE from the baghouse stack shall not exceed 10% opacity, as a six-minute average<br><br><u>Fugitive Emissions</u><br>11.40 tons PE/year from P901 and P906 each, individually<br><br>See b)(2)a. and b)(2)b. |
| b. | OAC rule 3745-17-08(B) | Reasonable available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)c.] |
| c. | OAC rule 3745-17-07(A) | See b)(2)d. |
| d. | OAC rule 3745-17-07(B)(1) | Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average. |
| e. | OAC rule 3745-17-11(B) | See b)(2)d. |
| f. | 40 CFR 64 – Compliance Assurance Monitoring (CAM) | See d)(1) through d)(4), d)(6) and e)(1) and e)(2) |

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-08(B) and 3745-17-07(B)(1).

b. All particulate emissions (PE) are assumed to be particulate matter less than 10 microns in size ($PM_{10}$).

c. The permittee shall employ reasonable 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 baghouse meeting an outlet concentration of 0.03 gr/dscf; and

ii. The use of a telescopic spout and 2-sided enclosure

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

e. The emissions from emissions units P901 and P906 shall be vented to the baghouse when one or more of the emissions units are in operation.

c) Operational Restrictions

(1) The maximum annual throughput of non-oiled material shall not exceed 96,500 tons from each emissions unit individually.

[OAC rule 3745-77-07(A)(1) and PTI# P0108502]

d) Monitoring and/or Recordkeeping Requirements

(1) The CAM plan for this emissions unit has been developed for particulate emissions. The CAM performance indicators for the baghouse controlling these emissions units are pressure drop requirements specified in d)(3), visible emission checks specified in d)(4) and preventative maintenance inspections specified in d)(6).

When the performance indicators show operation outside the 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. The baghouse shall not be configured to have bypass capability.

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

(2) 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 excursionor exceedance, the permittee shall promptly notify the appropriate Ohio EPA DistrictOffice or local air agency, and if necessary, submit a proposed modification to the Title Vpermit to address the necessary monitoring changes. Such a modification may include,but is not limited to, re-establishing indicator ranges or designated conditions, modifyingthe frequency of conducting monitoring and collecting data, or the monitoring ofadditional parameters.

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

(3) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on weekly basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

Whenever the monitored value for the pressure drop deviates from the limit or range 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.

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

f. a description of the corrective action;

g. the date corrective action was completed;

h. the date and time the deviation ended;

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

j. the pressure drop readings immediately after the corrective action was implemented; and

k. 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.

The acceptable range established for the pressure drop across the baghouse is between 1 to 6 inches of water.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled 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), PTI# P0108502 and 40 CFR Part 64]

(4) 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 exhaust 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 from any points of capture and/or the stack, the permittee shall also note the following in the operations log:

a. the color of the emissions;

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

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

[OAC rule 3745-77-07(C)(1), PTI# P0108502 and 40 CFR Part 64]

(5) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving these emissions units. 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 emissions incident; and

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

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item d)(3)d. above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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 PTI# P0108502]

(6) Baghouse operating parameters shall be re-verified as a result of any changes to the operating conditions of the baghouse or emissions unit. In addition to daily visible emission checks from the baghouse stack, the permittee also has a preventative maintenance schedule in place to ensure effective emissions control.

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

(7) The permittee shall maintain monthly records of the amount of non-oiled material loaded from each emissions unit (in tons per month and total tons, to date for the calendar year).

[OAC rule 3745-77-07(C)(1) and PTI# P0108502]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviations reports for P901 and P906 identifying the following:

a. each period of time (start time and date, and end time and date)when the pressure drop across the baghouse was outside of the acceptable range;

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 baghouse;

c. each incident of deviation described in e)(1)a. (above) where a prompt investigation was not conducted;

d. each incident of deviation described in e)(1)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and

e. each incident of deviation described in e)(1)a. 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 PTI# P0108502 and 40 CFR Part 64]

(2) 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 emission unit; and

b. any corrective actions taken eliminate the visible 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), PTI# P0108502 and 40 CFR Part 64]

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

a. all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible 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# P0108502]

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

[OAC rule 3745-77-07(C)(1) and PTI# P0108502]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitations</u>:
0.03 gr PE/dscf; 3.38 tons PE/year for P901 and P906, combined, from the baghouse stack

<u>Applicable Compliance Method</u>:
The 0.03 gr/dscf limitation is the established maximum outlet grain loading concentration for the baghouse.

If required, compliance with the gr/dscf limitation shall be demonstrated in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

The tons/yr limitation was established by multiplying the maximum baghouse outlet grain loading concentration of 0.03 gr/dscf limitation by the established maximum volumetric air flow rate (3000 acfm). This value is then converted to tons/year by multiplying by lb/7000 grains, 60 minutes/hour, a maximum operating schedule of 8760 hours/year, and ton/2000 lbs. Therefore, provided compliance is shown with the gr/dscf limitation, compliance with the annual limitation shall also be demonstrated.

[OAC rule 3745-77-07(C)(1) and PTI# P0108502]

b. Emission Limitation: Visible PE from the baghouse stack shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
Compliance with the stack visible PE limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 of 40 CFR Part 60, Appendix A.

[OAC rule 3745-77-07(C)(1) and PTI# P0108502]

c. Emission Limitation:
11.40 tons fugitive PE/year from P901 and P606 each, individually

Applicable Compliance Method:
The annual fugitive emission limitation was established by multiplying AP-42 emission factors of 1.50 lb PE/ton for open trucks/rail cars and 0.61 lb PE/ton for closed trucks/rail cars [Section 11.17-4 (2/98)], by a maximum annual loadout of non-oiled product of 96,500 tons, assuming 80% closed trucks/rail cars and 20% open trucks/rail cars, applying a 70% control efficiency and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual non-oiled product throughput restriction, compliance with the annual emission limitation shall be demonstrated.

[OAC rule 3745-77-07(C)(1) and PTI# P0108502]

d. Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a three-minute average.

Applicable Compliance Method:
Compliance with the limitation for visible emissions of fugitive dust shall be determined through visible emissions observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

[OAC rule 3745-77-07(C)(1) and PTI# P0108502]

g) Miscellaneous Requirements

(1) None.