



State of Ohio Environmental Protection Agency

Street Address:

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P.O. Box 1049
Columbus, OH 43216-1049

06/06/01

CERTIFIED MAIL

RE: Draft Title V Chapter 3745-77 permit

03-17-01-0115
National Lime & Stone Company
Daniel Mapes
P. O. Box 120
Findlay, OH 45839

Dear Daniel Mapes:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by Northwest District Office within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled.

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

If you have any questions or comments concerning this draft Title V permit, please contact Northwest District Office.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA (electronically submitted)
Michael Ahern, DAPC PMU
Northwest District Office



State of Ohio Environmental Protection Agency

DRAFT TITLE V PERMIT

| | | |
|----------------------|-----------------|------------------|
| Issue Date: 06/06/01 | Effective Date: | Expiration Date: |
|----------------------|-----------------|------------------|

This document constitutes issuance of a Title V permit for Facility ID: 03-17-01-0115 to:

National Lime & Stone Company
4580 Bethel Road
Bucyrus, OH 44820

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

| | | |
|---|--|--|
| F005 (Roadways) Transportation of stone by various size trucks and other vehicle usage. | F007 (Blasting) Quarry blasting to obtain limestone for processing. | P901 (Aggregate Processing Plant) Primary and Secondary crushing, screening, and conveying of limestone aggregate materials. Formerly F004, this emissions unit was renamed P901 to account for both fugitive and stack emissions (i.e. secondary crushing emissions exhausted via Type N Rotoclone and stack). |
| F006 (Stockpiles) Loading, storage, and unloading of finished/rework limestone product. | P002 (Dryer) Stone dryer. | |

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

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

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

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
 - iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the

appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to 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"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

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

5. Severability Clause

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

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. 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.

7. Fees

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

8. Marketable Permit Programs

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

9. Reasonably Anticipated Operating Scenarios

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

10. Reopening for Cause

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

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen 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.

11. Federal and State Enforceability

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

12. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

- i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:
- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

13. Permit Shield

- a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and

conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

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

14. Operational Flexibility

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

15. Emergencies

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

16. Off Permit Changes

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

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;
- b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission 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; and
- 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.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

17. Compliance Method Requirements

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

18. Insignificant Activity

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

B. State Only Enforceable Section

1. 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.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

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

3. Records Retention Requirements

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

4. 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.

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. 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.

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

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

1. The permittee installed emissions units Z007 (regrind system) and Z014 (reclaim system) in 1995 without first applying for and obtaining a permit to install (PTI), in violation of OAC rule 3745-31-02. Therefore, the permittee shall perform the following in order to bring these emissions units into compliance:
 - a. submit a complete PTI application within 2 months following the issuance of this permit; and
 - b. obtain a PTI within 8 months following the issuance of this permit.

B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

Truck and Railcar Loadout, Ohio EPA emissions unit F001;
Tertiary Plant with Screening, Convey, Ohio EPA emissions unit F002;
Primary Crusher, Ohio EPA emissions unit F003;
Quarry Drilling, Ohio EPA emissions unit Z002;
Maintenance Shop, Ohio EPA emissions unit Z004;
Dried Stone Screens, Ohio EPA emissions unit Z006;
Regrind System, Ohio EPA emissions unit Z007;
3 Diesel Tanks (2500-, 3000-, 6000-gallon), Ohio EPA emissions unit Z008;
Gasoline Fuel Tank (285-gallon), Ohio EPA emissions unit Z009;
Kerosene Tank (150-gallon), Ohio EPA emissions unit Z010;
Dried Stone Handling, Transfer Points, Ohio EPA emissions unit Z011;
Tertiary Crushing, Ohio EPA emissions unit Z012; and
Reclaim System, Ohio EPA emissions unit Z014.

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

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Roadways (F005)

Activity Description: Transportation of stone by various size trucks and other vehicle usage.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---------------------------------------|--|
| plant roadways and parking | OAC rule 3745-17-07(B) | none (See A.1.2.a.) |
| | OAC rule 3745-17-08(B) | none (See A.1.2.b.) |

2. Additional Terms and Conditions

- 2.a This emissions unit is exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.b This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--|
|---|---|--|

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Stockpiles (F006)

Activity Description: Loading, storage, and unloading of finished/rework limestone product.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---------------------------------------|--|
| plant stockpiles | OAC rule 3745-17-07(B) | none (See A.1.2.a.) |
| | OAC rule 3745-17-08(B) | none (See A.1.2.b.) |

2. Additional Terms and Conditions

- 2.a This emissions unit is exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.b This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--|
|---|---|--|

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Blasting (F007)
Activity Description: Quarry blasting to obtain limestone for processing.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---------------------------------------|--|
| blasting and overburden removal | OAC rule 3745-17-07(B) | none (See A.1.2.a.) |
| | OAC rule 3745-17-08(B) | none (See A.1.2.b.) |

2. Additional Terms and Conditions

- 2.a This emissions unit is exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.b This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--|
|---|---|--|

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Dryer (P002)

Activity Description: Stone dryer.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|--|---------------------------------------|--|
| 160 tons per hour limestone dryer, natural gas/no. 2 fuel oil, with 2 cyclones in series, and type 'N' rotoclone | OAC rule 3745-17-11(B)(2) | 157 lbs particulate emissions (PE)/hr |
| | OAC rule 3745-17-07(A) | 20% opacity, as a 6-minute average, except as provided by rule |
| | OAC rule 3745-18-06(E) | 900 lbs sulfur dioxide (SO ₂)/hr (See A.1.2.a.) |

2. Additional Terms and Conditions

- 2.a Because the only source of SO₂ emissions from this emissions unit is the burning of natural gas and no. 2 fuel oil, the actual emissions of SO₂ are considered to be negligible in comparison to the allowable emission limitation.

II. Operational Restrictions

- The pressure drop across the rotoclone shall be maintained within the range of 2 to 6 inches of water while the emissions unit is in operation.
- The permittee shall burn only natural gas and/or no. 2 fuel oil in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

- The permittee shall properly operate and maintain equipment to monitor the pressure drop across the rotoclone while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the rotoclone on a daily basis.
- For each day during which the permittee burns a fuel other than natural gas and/or no. 2 fuel oil, the permittee shall maintain a record of the type of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the rotoclone did not comply with the allowable range specified above. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or no. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:
157 lbs PE/hr

Applicable Compliance Method:
The permittee shall determine compliance with the hourly allowable PE limitation based on the results of emission testing conducted in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.
 - 1.b Emission Limitation:
Visible emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with OAC rule 3745-17-03(B)(1).
 - 1.c Emission Limitation:
900 lbs SO₂/hr

Applicable Compliance Method:
Compliance with the hourly allowable SO₂ emission limitation shall be assumed as long as only natural gas and/or no. 2 oil is burned as fuel in this emissions unit.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 6 months following the issuance of this permit, approximately 2.5 years after permit issuance, and within 6 months prior to permit expiration.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE. (The permittee shall also conduct testing for PE at the inlet to the control equipment to verify the accuracy of the AP-42 emission factor for the uncontrolled PE for this emissions unit.)
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate: Methods 1 through 5 of 40 CFR, Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

V. Testing Requirements (continued)

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--|
|---|---|--|

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Aggregate Processing Plant (P901)

Activity Description: Primary and Secondary crushing, screening, and conveying of limestone aggregate materials. Formerly F004, this emissions unit was renamed P901 to account for both fugitive and stack emissions (i.e. secondary crushing emissions exhausted via Type N Rotoclone and stack).

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|--|---------------------------------------|---|
| aggregate processing - 1 primary crusher, 2 secondary crushers, 5 screens, 4 feeders, and 27 conveyors, with baghouse (serving the secondary crushers), and dust suppressant application | OAC rule 3745-31-05 (PTI 03-10215) | 3.4 lbs particulate emissions (PE)/hr (for stack and fugitive emissions, combined) 1.6 lbs particulate matter <10 microns (PM-10)/hr (for stack and fugitive emissions, combined) best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Sections A.I.2.b and A.II.1.) 20 percent opacity, as a three-minute average (for truck unloading to the feeder) The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO. |
| | 40 CFR, Part 60, Subpart OOO | 7% opacity, as a six-minute average (for the baghouse serving the secondary crushing operations) 0.02 grain of PE /dscf (for the baghouse serving the secondary crushing operations) See A.I.2.a. |
| | OAC rule 3745-17-07(B) | none (See A.I.2.c.) |
| | OAC rule 3745-17-08(B) | none (See A.I.2.d.) |
| | OAC rule 3745-17-11(B)(2) | none (See A.I.2.e.) |
| | OAC rule 3745-17-07(A)(1-3) | none (See A.I.2.f.) |

2. Additional Terms and Conditions

- 2.a Visible fugitive particulate emissions from the equipment comprising this emissions unit shall not exceed the following opacity restrictions:

Emissions Point: FEL to Grizzly Feeder
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Grizzly Feeder
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Primary Impact Crusher
Equipment Type: Crushing
Opacity Limit: 15 percent
Regulatory Basis for Limit: 40 CFR 60.672(c)

Emissions Point: Primary Crusher to #PC1 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #PC1 Conveyor to #PC2 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #PC2 Conveyor to #PC3 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #PC3 Conveyor to #PC4 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #PC4 Conveyor to #PC5 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #PC5 Conveyor to #PC9 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

2. Additional Terms and Conditions (continued)

Emissions Point: #PC9 Conveyor to #PC10 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #PC10 Conveyor to Surge Pile
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Surge Pile (with 3 Feeders) to #C1 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C1 Conveyor to #C2 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C2 Conveyor to Primary Screen
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Primary Screen
Equipment Type: Screening
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Primary Screen to #C3 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C3 Conveyor to Secondary Crusher (HSI)
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Secondary Crusher (HSI) (the fugitive emissions)
Equipment Type: Crushing
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

2. Additional Terms and Conditions (continued)

Emissions Point: Secondary Crusher (HSI) to #C7 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C7 Conveyor to #C5 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Secondary Crusher (VSI) (the fugitive emissions)
Equipment Type: Crushing
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Secondary Crusher (VSI) to #C5 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Primary Screen to #C6 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C6 Conveyor to #C4 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C5 Conveyor to Secondary Screens
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Secondary Screens
Equipment Type: Screening
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Secondary Screens to #C4 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

2. Additional Terms and Conditions (continued)

Emissions Point: #C4 Conveyor to Secondary Crusher (VSI)
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Primary Screen to #C16 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C16 Conveyor to #C10 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C10 Conveyor to #C11 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C11 Conveyor to Storage Pile
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Primary Screen to #C8 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C8 Conveyor to #C9 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C9 Conveyor to Storage Pile
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Secondary Screens to #C18 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

2. Additional Terms and Conditions (continued)

Emissions Point: #C18 Conveyor to #C13 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C13 Conveyor to #C14 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C14 Conveyor to Existing D.O. Surge Pile
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Secondary Screens to #C17 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent

Regulatory Basis for Limit: 40 CFR 60.672(b)
Emissions Point: #C17 Conveyor to #C12 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: #C12 Conveyor to Tertiary Surge Pile
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

Emissions Point: Tert. Surge Pile (w Feeder) to Exist. #C15 Conveyor
Equipment Type: Transfer Point
Opacity Limit: 10 percent
Regulatory Basis for Limit: 40 CFR 60.672(b)

- 2.b** The permittee shall employ best available control measures for the above-identified material handling operations 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 apply dust suppressants (by means of water sprays) at all points of emissions (except for the secondary crushing operations) to ensure compliance. Best available technology (BAT) for the secondary crushing operations shall be the use of a baghouse.
- 2.c** This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.d** This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- 2.e** The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Crawford County, which is identified as a P-2 county.
- 2.f** This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

II. Operational Restrictions

1. Fugitive particulate emissions resulting from truck unloading to feeder shall be minimized by using minimal drop heights and by maintaining a minimum moisture content of 1.5% by weight in the processed aggregate.
2. The water spray nozzle on the primary crusher shall be operated at full capacity at all times when the crusher is operating.
3. The pressure drop across the baghouse shall be maintained within the range of 4 to 6 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily inspections of the water spray nozzles serving all the operations associated with this emissions unit. The permittee shall record the following information each day:
 - a. whether or not the water spray nozzles were in operation;
 - b. if the water spray nozzles were in operation, whether or not they were functioning properly; and
 - c. the amount of water sprayed and chemical dust suppressants used, in gallons/day.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving the secondary crushing operations that are associated with this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.
3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive dust emissions from all the transfer points, screening operations, and crushing operations (identified in Section A.I.2.a of this permit) and the truck unloading. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.
4. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

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

5. The permittee shall, on a semi-annual basis, perform visible emissions evaluations, in accordance with Method 9 of 40 CFR, Part 60, Appendix A, for the following operations associated with this emissions unit:
 - a. truck unloading;
 - b. the baghouse serving the secondary crushing operations that are associated with this emissions unit; and
 - c. each transfer point, screening operation, and crushing operation identified in Section A.I.2.a of this permit.

The individual performing the visible emissions evaluations shall be certified in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. each day during which an inspection was performed and one or more of the water spray nozzles were not in operation and/or one or more of the water spray nozzles were not functioning properly; and
 - b. all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The quarterly deviation reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the baghouse serving the secondary crushing operations that are associated with this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive dust emissions were observed from any of the transfer points, screening operations, and crushing operations (identified in Section A.I.2.a of this permit) and/or the truck unloading and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
4. The permittee shall submit semiannual written reports that summarize the results of all Method 9 readings taken in accordance with Section A.III.5 of this permit. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:
3.4 lbs PE/hr (for stack and fugitive emissions, combined)

Applicable Compliance Method:

The hourly allowable PE limitation was developed by multiplying the appropriate emission factors for transfer points, crushing, and screening (from AP-42, Section 11.19.2 (revised 1/95) by the maximum throughput for the production line (tons/hr).

V. Testing Requirements (continued)

1.b Emission Limitation:

1.6 lbs particulate matter <10 microns (PM-10)/hr (for stack and fugitive emissions, combined)

Applicable Compliance Method:

The hourly allowable PE limitation was developed by multiplying the appropriate emission factors for transfer points, crushing, and screening (from AP-42, Section 11.19.2 (revised 1/95) by the maximum throughput for the production line (tons/hr).

1.c Emission Limitation:

20 percent opacity, as a three-minute average (for truck unloading to the feeder)

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emissions limitation above in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation:

7% opacity, as a six-minute average (for the baghouse serving the secondary crushing operations)

10% opacity (for transfer points, screening operations, and crushing operations)

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible emissions limitations above in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.g Emission Limitation:

0.02 grain of PE/dscf

Applicable Compliance Method:

Compliance with the PE limitation above shall be based upon the results of emission testing conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

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

a. The emission testing shall be conducted within 3 months after issuance of this permit.

b. The emission testing shall be conducted to demonstrate compliance with the allowable outlet concentration for PE (from the baghouse serving the secondary crushing operations).

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate: Methods 1 through 5, 40 CFR, Part 60, Appendix A.

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

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

V. Testing Requirements (continued)

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/ Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--|
|---|---|--|

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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