OhioEPA

State of Ohio Environmental Protection Agency

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

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

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

12/31/02

CERTIFIED MAIL

RE: Final Title V Administrative Permit Amendment Chapter 3745-77 permit

03-88-00-0004
National Lime & Stone Co. - Carey
R Dan Mapes
551 Lake Cascades Parkway
P. O. Box 120
Findlay, OH 45839

Dear R Dan Mapes:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street
Room 300
Columbus, Ohio 43215

If you have any questions, please contact Northwest District Office.

Very truly yours,

Michael W. Ahern

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

cc: Northwest District Office
File, DAPC PMU

State of Ohio Environmental Protection Agency

FINAL TITLE V ADMINISTRATIVE PERMIT AMENDMENT

Effective Date: **01/14/03**	Expiration Date: **01/14/08**	Modification Issue Date: **12/31/02**

This document constitutes issuance of a Title V permit for Facility ID: 03-88-00-0004 to:
National Lime & Stone Co. - Carey
North Patterson Street
P. O. Box 8
Carey, OH 43316

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

F001 (Stone Plant Roadways and Parking Areas)
Vehicle travel on stone plant roadways and parking areas.

F002 (Stone Plant Storage Piles)
Loading, unloading and storage operations associated with the use of product storage piles at the stone plant.

F006 (Blasting and Overburden Removal)
Mineral extraction and overburden removal operations at an open pit dolomitic limestone quarry.

F009 (Plant C-3: Recrushing and Material Handling Operations)
Recrushing and associated screening and conveying operations at Plant C-3 (emissions unit F014) wet stone plant.

F013 (Aggregate Wet Screen and Rail Car Loadout Operations)
Conveying, washing, and unloading of aggregate material into railcars.

P005 (Dorr-Oliver Dryer)
Drying of limestone aggregates using a Dorr-Oliver natural gas fired dryer.

P023 (Pelletized Limestone Dryer)
Drying of pelletized limestone using a natural gas fired vibrating fluid bed dryer.

P024 (Pelletizing Plant: Crushing, Screening, and Mtl. Hand.)
Crushing, screening, and material handling operations associated with the production of pelletized limestone products.

P026 (Wood Flour Receiving, Conveying, and Storage Operations)
Receiving, storage and unloading operations for wood flour used in the production of pelletized limestone products.

P901 (Pelletizing Plant Loadout with 3 Bins)
Unloading operations associated with the production of pelletized limestone products.

P902 (Portable Drill)
Mobile drill used to drill holes at open pit dolomitic limestone quarry prior to blasting.

P903 (Dried Stone Plant - Coarse Stone Loadouts)
Load-out operations of coarse limestone to either truck or railcar from storage bins #1 - #5 of Coarse Stone Bins at the Dried Stone Plant.

P904 (Dried Stone Plant - Fine Stone Loadouts)
Load-out operations of fine limestone to either truck or railcar from storage bins #1 - #10 of Fine Stone Bins at the Dried Stone Plant.

P905 (Dried Stone Plant - Crushing, Screening, Mat. Handling)
Crushing, screening, and material handling operations associated with the production of dried stone aggregates and materials.

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 3745-77-08(E) 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 Record Keeping 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

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

ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, 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 taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements of 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.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, 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, record keeping, 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.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

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

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 condition, of any emissions unit(s) 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 upset conditions.

Except as provided in OAC rule 3745-15-06, 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).
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iii))

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

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.
(Authority for term: OAC rule 3745-77-07(A)(5))

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
(Authority for term: OAC rule 3745-77-07(A)(6))

6. General Requirements

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

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

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with A.10 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

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

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

7. Fees

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

8. Marketable Permit Programs

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

9. Reasonably Anticipated Operating Scenarios

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

10. Reopening for Cause

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

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

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

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

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

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

11. Federal and State Enforceability

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

12. Compliance Requirements

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

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

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

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

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

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

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

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

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

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

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

ii. Compliance certifications shall include the following:

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

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

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

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

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

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

13. Permit Shield

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

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

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

14. Operational Flexibility

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

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

15. Emergencies

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

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

16. Off-Permit Changes

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

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

b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, 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 purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)
(Authority for term: OAC rule 3745-77-07(I))

17. Compliance Method Requirements

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

18. Insignificant Activities

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

19. Permit to Install Requirement

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

20. Air Pollution Nuisance

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

B. ***State Only Enforceable Section***

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

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

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) 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, (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.)

2. Records Retention Requirements

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

3. Inspections and Information Requests

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

4. Scheduled Maintenance/Malfunction Reporting

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

bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

5. Permit Transfers

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

6. Additional Reporting Requirements When There Are No Deviations of 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 Enforceable Section

None

B. State Only Enforceable Section

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

G001 - low sulfur diesel fuel tank;
G002 - diesel fuel tank - Tank #3;
G003 - diesel fuel tank - Tank #9;
G004 - diesel fuel tank - Tank #8;
L001 - solvent cold cleaner - Cleaner #1;
L002 - solvent cold cleaner - Cleaner #2;
L003 - solvent cold cleaner - Cleaner #3; and
L004 - solvent cold cleaner - Cleaner #4.

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: Stone Plant Roadways and Parking Areas (F001)

Activity Description: Vehicle travel on stone plant roadways and parking areas.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

2.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:	paved parking areas:
asphalt roadways	none

2. Additional Terms and Conditions (continued)

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

unpaved roadways:	unpaved parking areas:
gravel roadways	lime plant gravel parking lot
lime plant gravel roadway	Plant C-1 gravel parking lot
Plant C-3 gravel parking lot	
garage gravel parking lot	

2.c The permittee shall employ reasonably available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by vacuum sweeping and/or water flushing at sufficient treatment frequencies and use speed limit restrictions (10 mph) to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas by watering, oiling and/or chemical stabilization at sufficient treatment frequencies and use speed limit restrictions (10 mph) to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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

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

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

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

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

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping 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 paved roadways and parking areas	daily

unpaved roadways and parking areas:	minimum inspection frequency:
all unpaved roadways and parking areas	daily

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

3. The permittee 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.

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.

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

IV. Reporting Requirements

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

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

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

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

V. Testing Requirements

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

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

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Stone Plant Storage Piles (F002)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
load-in and load-out of storage piles (See A.I.2.a.)	OAC rule 3745-17-07(B)(6)	no visible particulate emissions from any storage pile except for a period of time not to exceed 13 minutes during any 60-minute observation period
	OAC rule 3745-17-08(B), (B)(6)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.b, A.I.2.c and A.I.2.f.)
wind erosion from storage piles (See A.I.2.a.)	OAC rule 3745-17-07(B)(6)	no visible particulate emissions from any storage pile except for a period of time not to exceed 13 minutes during any 60-minute observation period
	OAC rule 3745-17-08(B), (B)(6)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.d through A.I.2.f.)

2. Additional Terms and Conditions

2.a The storage piles that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

i. coarse aggregate;

ii. fine aggregate;

iii. dried aggregate; and

iv. ag lime.

2. Additional Terms and Conditions (continued)

2.b The permittee shall employ reasonably available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain minimal drop heights, to maintain a sufficient moisture level in the stone, and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c 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.

2.d The permittee shall employ reasonably 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 permittee's permit application, the permittee has committed to maintain a sufficient moisture level in the stone, applying suitable dust suppressants, and/or the use of wind blocks/screens to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.e 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.

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

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

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

storage pile identification:	minimum load-in inspection frequency:
all storage piles	daily

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 storage piles	daily

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 storage piles	daily

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

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.

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.

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.

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 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.

IV. Reporting Requirements

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

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

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

V. Testing Requirements

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

1.a Emission Limitation:
no visible particulate emissions from any storage pile except for a period of time not to exceed 13 minutes during any 60-minute observation period.

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Blasting and Overburden Removal (F006)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
blasting	OAC rule 3745-17-07(B)	See A.I.2.a.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.b.i.)
overburden removal	OAC rule 3745-17-07(B)(1)	Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.b.ii.)
truck loading	OAC rule 3745-17-07(B)(1)	Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.b.iii.)
waste disposal	OAC rule 3745-17-07(B)(1)	Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.b.iv.)

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
reclamation	OAC rule 3745-17-07(B)(1)	Visible fugitive emissions shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.b.v.)

2. Additional Terms and Conditions

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

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

i. Blasting:

(a) prevent overshooting during blasting.

ii. Overburden Removal:

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

iii. Truck Loading:

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

iv. Waste Disposal:

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

v. Reclamation:

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

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

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

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

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

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

4. The permittee shall maintain records of the following information:

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

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

c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented.

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

IV. Reporting Requirements

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

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

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

V. Testing Requirements

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Plant C-3: Recrushing and Material Handling Operations (F009)

Activity Description: Recrushing and associated screening and conveying operations at Plant C-3 (emissions unit F014) wet stone plant.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Plant C-3: primary, secondary, and tertiary crushing with screening, and material handling operations	OAC rule 3745-31-05(A)(3) (PTI #03-7188)	1.4 lbs particulate emissions (PE)/hr best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust See A.I.2.a through A.I.2.c.
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions shall not exceed 20% opacity, as a 3-minute average from transfer points, screens, crushers, and storage bins. (See A.I.2.d.)
	OAC rule 3745-17-08(B)	See A.I.2.e.
	40 CFR Part 60, Subpart OOO	Visible fugitive particulate emissions shall not exceed 10% opacity from transfer points, screens, and storage bins. Visible fugitive particulate emissions shall not exceed 15% opacity from crushers. There shall be no visible particulate emissions from enclosed transfer points. See A.I.2.f.

2. Additional Terms and Conditions

2.a The aggregate processing operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Plant C-3: primary, secondary, and tertiary crushing, screening, and material handling operations

2. Additional Terms and Conditions (continued)

2.b Implementation of the control measure(s), identified below, in accordance with the terms and conditions of this permit are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3):

i. building enclosure;

ii. high inherent moisture content (>1.5%);

iii. watering prior to crushing operations; and

iv. low silt content of the aggregate.

2.c For each aggregate processing operation that is not adequately enclosed, the control measure(s), identified in A.I.2.b shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

2. Additional Terms and Conditions (continued)

2.d Visible fugitive particulate emissions from the following emission points comprising this emissions unit and subject to OAC rule 3745-17-07(B)(1) shall not exceed the following visible particulate emission (VPE) limitations:

Emission Point: truck/front end loader to hopper
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: hopper to feeder 1
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: feeder 1 to primary crusher
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: primary crusher
Equipment Type: crusher
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: primary crusher to conveyor 1
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 1 to conveyor 2
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 2 to screen 1
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 1
Equipment Type: screen
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 1 to rip rap bin
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 1 to surge bin
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: surge bin to feeder 2
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: feeder 2 to conveyor 3
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 3 to conveyor 4
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

2. Additional Terms and Conditions (continued)

Emission Point: conveyor 4 to screen 2
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 2
Equipment Type: screen
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 2 to conveyor 6
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 6 to 5X bin
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: 5X bin to truck
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 2 to crusher 2
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: crusher 2
Equipment Type: crusher
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: crusher 2 to conveyor 5
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 2 to conveyor 5
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: elevator 1 to screen 5
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 5
Equipment Type: screen
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 5 to storage bins
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 5 to elevator 1
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 5 to conveyor 10
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 5 to conveyor 11
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

2. Special Terms and Conditions (continued)

Emission Point: conveyor 10 to screen 6
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 6
Equipment Type: screen
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 10 to screen 7
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 7
Equipment Type: screen
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 11 to storage bins
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 11 to conveyor 16
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 16 to conveyor 17
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 17 to storage pile
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 16 to storage bins
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 6 to conveyor 12
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 12 to storage bins
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 6 to conveyor 13
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

2. Additional Terms and Conditions (continued)

Emission Point: conveyor 13 to conveyor 16
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 7 to conveyor 14
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 14 to storage bins
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 7 to storage bins
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 7 to conveyor 15
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 15 to storage bins
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screen 6 to screw conveyor 1 (sandwasher)
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: screw conveyor 1 to conveyor 18
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 18 to storage pile
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: bins 1, 2, 3, or 4 to conveyor 8
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 8 to conveyor 9
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: conveyor 9 to crusher 3
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: crusher 3
Equipment Type: crusher
VPE Limitation: 20% opacity as a 3-minute average

Emission Point: crusher 3 to elevator 1
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

2. Additional Terms and Conditions (continued)

Emission Point: bin 1 to conveyor 23
Equipment Type: transfer point
VPE Limitation: 20% opacity as a 3-minute average

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

2.f Visible fugitive emissions from the following emissions points comprising this emissions unit and subject to 40 CFR Part 60, Subpart OOO shall not exceed the following visible particulate emission (VPE) limitations:

Emission Point: bin 2 to conveyor 21
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 6-minute average

Emission Point: bin 4 to conveyor 20
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 6-minute average

Emission Point: conveyor 23 to conveyor 24
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 6-minute average

Emission Point: conveyor 21 to conveyor 24
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 6-minute average

Emission Point: conveyor 20 to conveyor 24
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 6-minute average

Emission Point: conveyor 24 to crusher 4
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 6-minute average

Emission Point: crusher 4
Equipment Type: crusher
VPE Limitation: 15% opacity as a 6-minute average

Emission Point: crusher 4 to conveyor 25
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 6-minute average

Emission Point: conveyor 25 to conveyor 26
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 6-minute average

Emission Point: conveyor 26 to screen 5
Equipment Type: transfer point (enclosed)
VPE Limitation: no visible emissions from the building

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s):	minimum inspection frequency:
all material handling operations that are not adequately enclosed	daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

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.

4. The permittee shall maintain records of the following information:

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

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

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

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

The information in 4.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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

a. the color of the emissions;
b. the total duration of any visible emission incident; and
c. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation reports, in accordance with the reporting requirements of the General Terms and Conditions of this permit, that identify any of the following occurrences:

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

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

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

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:
1.4 lbs PE/hr

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly emission limitation by combining the hourly emissions from the crushing, screening, and transfer operations, where:

crushing = the appropriate emission factors from AP-42 Chapter 11.19.2 (revised 1/95) multiplied by the maximum throughput (300 tons/hr) with an applied 90% control efficiency for dust supression;

screening = the appropriate emission factors from AP-42 Chapter 11.19.2 (revised 1/95) multiplied by the maximum throughput (300 tons/hr) with an applied 90% control efficiency for dust supression; and

transfer points = the appropriate emission factors from AP-42 Chapter 11.19.2 (revised 1/95) multiplied by the maximum throughput (300 tons/hr) with an applied 90% control efficiency for dust supression.

1.b Emission Limitation:
There shall be no visible emissions from enclosed transfer points. (See A.I.2.f.)

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

1.c Emission Limitation:
Visible fugitive emissions shall not exceed 10% opacity from transfer points, screening operations, and storage bins. (See A.I.2.f.)

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.d Emission Limitation:
Visible fugitive emissions shall not exceed 15% opacity from crushing operations. (See A.I.2.f.)

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.e Emission Limitation:
Visible fugitive emissions shall not exceed 20% opacity from specific transfer points, screens and storage bins, as a 3-minute average. (See A.I.2.d.)

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Aggregate Wet Screen and Rail Car Loadout Operations (F013)

Activity Description: Conveying, washing, and unloading of aggregate material into railcars.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
aggregate wet screen and railcar loadout operation	OAC rule 3745-31-05(A)(3) (PTI #03-13096)	18.0 tons particulate emissions (PE)/yr 8.4 tons particulate matter less than 10 microns (PM10)/yr visible particulate emission limitations (See A.I.2.a.) best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.c and A.I.2.d.) Compliance with this rule also includes compliance with OAC rule 3745-17-07(B)(1) for the aggregate loading operation.
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions shall not exceed 20% opacity, as a 3-minute average for the aggregate loading operation. (See A.I.2.e.)
	OAC rule 3745-17-08(B)	use of reasonably available control measures (See A.I.2.f.)

2. Additional Terms and Conditions

2.a Visible particulate emissions from the aggregate wet screen and railcar loadout operation shall not exceed the following visible particulate emission (VPE) limitations:

Emission Point: surge hopper to conveyor
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 3-minute average

Emission Point: hopper conveyor to wet screen
Equipment Type: transfer point
VPE Limitation: 10% opacity as a 3-minute average

Emission Point: wet screen
Equipment Type: screen
VPE Limitation: 0% opacity as a 3-minute average

Emission Point: wet screen to conveyor
Equipment Type: transfer point
VPE Limitation: 0% opacity as a 3-minute average

Emission Point: screen conveyor to railcar
Equipment Type: transfer point
VPE Limitation: 0% opacity as a 3-minute average

2.b The aggregate processing operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Aggregate Wet Screen and Rail Car Loadout Operation

2.c For each aggregate processing operation that is not adequately enclosed, the control measure(s), identified in A.I.2.d shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

2.d Implementation of the control measure(s), identified below, in accordance with the terms and conditions of this permit, are appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3):

i. partial enclosure;

ii. high inherent moisture content (>1.5%); and

iii. wet suppression system.

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

2.e Visible particulate emissions from the aggregate loading operation shall not exceed the following visible particulate emission (VPE) limitation:

Emission Point: loading into surge hopper
Equipment Type: loading
VPE Limitation: 20% opacity as a 3-minute average

2.f The control measures specified under this rule are less stringent than the control measures established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The maximum aggregate throughput for this emissions unit shall not exceed 4,000,000 tons per year.

III. Monitoring and/or Record Keeping Requirements

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

2. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s):	minimum inspection frequency:
all material handling operations that are not adequately enclosed	daily

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

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

5. The permittee shall maintain records of the following information:

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

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

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

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

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

6. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive emissions from the wet screening operation and the subsequent transfer points of this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible fugitive emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the total duration of any visible emission incident; and
c. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation reports, in accordance with the reporting requirements of the General Terms and Conditions of this permit, that identify any of the following occurrences:

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

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

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

IV. Reporting Requirements (continued)

3. The permittee shall submit annual reports that identify the total aggregate throughput and the total particulate and PM10 emissions for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

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

1.a Emission Limitation:
18.0 tons/yr PE

Applicable Compliance Method:
The permittee may demonstrate compliance with the PE limitation by multiplying the maximum throughput of each emissions point (4,000,000 tpy) by the appropriate emission factor from AP-42 Chapter 11.19.2. (0.003 lb/ton) and dividing by 2000 lbs/ton. Emissions from the wet screen and the transfer points leading from the wet screen to the railcar loadout are negligable due to their moisture content. Compliance shall also be determined in accordance with the record keeping requirements specified in section A.III.

1.b Emission Limitation:
8.4 tpy PM10

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation by multiplying the maximum throughput of each emissions point (4,000,000 tpy) by the appropriate emission factor from AP-42 Chapter 11.19.2. (0.0014 lb/ton) and dividing by 2000 lbs/ton. Emissions from the wet screen and the transfer points leading from the wet screen to the railcar loadout are negligable due to their moisture content. Compliance shall also be determined in accordance with the record keeping requirements specified in section A.III.

1.c Emission Limitation:
10% opacity as a 3-minute average from transfer points (See A.I.2.a.)

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.d Emission Limitation:
0% opacity as a 3-minute average from the wet screening operation and subsequent transfer points (See A.I.2.a.)

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.e Emission Limitation:
20% opacity as a 3-minute average rule from aggregate loading (See A.I.2.e.)

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Dorr-Oliver Dryer (P005)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
225 ton/hour-Dorr-Oliver dryer controlled with primary and secondary cyclones, a wet scrubber, and a mist eliminator	OAC rule 3745-17-11(B)	44.0 lbs of particulate emissions (PE)/hr
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

2. Additional Terms and Conditions

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

II. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained within the range of 10 - 70 inches of water at all times while the emissions unit is in operation.

The scrubber pump motor amperes shall be continuously maintained at a value of not less than 25 amps at all times while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber pump motor amperes while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

a. the pressure drop across the scrubber, in inches of water, on a twice per day basis;

b. the scrubber pump motor amperes on a twice per day basis; and

c. the downtimes for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports, in accordance with the General Terms and Conditions of this permit, that identify all periods of time during which the following scrubber parameters were not maintained within the allowable range or at or above the required level:

a. the static pressure drop across the scrubber; and

b. the scrubber pump motor amperes.

V. Testing Requirements

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

1.a Emission Limitation:
44.0 lbs of PE/hr

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

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

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limitation through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(1).

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

2.a The emission testing shall be conducted within 6 months after issuance of the permit. Further testing shall be conducted in accordance with Engineering Guide #16.

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

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

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

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

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Pelletized Limestone Dryer (P023)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
pelletized limestone dryer controlled, with a baghouse	OAC rule 3745-31-05(A)(3) (PTI #03-7409)	5.32 lbs organic compounds (OC)/hour, 23.30 tons OC/year 1.60 lbs nitrogen oxides (NOx)/hour, 7.01 tons NOx/year 1.34 lbs carbon monoxide (CO)/hour, 5.87 tons CO/year 2.06 lb particulate emissions (PE)/hour, 9.02 tons PE/year Visible PE shall not exceed 0% opacity, as a six-minute average (from the baghouse). No visible PE (from the building enclosure). Compliance with this rule also includes compliance with OAC rules 3745-21-08(B), 3745-23-06(B), and 3745-18-06(E). See A.I.2.a.
	OAC rule 3745-17-11(B)	See A.I.2.b.
	OAC rule 3745-17-07(A)	See A.I.2.b.
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.c.
	OAC rule 3734-18-06(E).	Exempt, see A.I.2.d.

2. Additional Terms and Conditions

2.a Best available technology (BAT) for this emissions unit has been determined to be use of total building enclosure and a baghouse control system with a maximum outlet concentration of 0.008 grain/dscf. [All the PE from this emissions unit shall be vented to the baghouse control system.]

2. Additional Terms and Conditions (continued)

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

2.c The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 03-7409.

2.d The maximum process weight rate for this emissions unit is less than 1000 lbs/hr. Therefore, pursuant to OAC rule 3745-18-06(C), this emissions unit is exempt from OAC rule 3745-18-06(E).

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the total duration of any visible emission incident; and
c. 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 particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

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

2. The permittee shall submit semiannual written reports that (a) identify all days during which visible particulate emissions from the baghouse serving this emissions unit and/or any visible fugitive particulate emissions from the egress points were observed, and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) 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 specified in Section A.I.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitations:
5.32 lbs OC/hour and 23.30 tons OC/year

Applicable Compliance Method:
Compliance with the hourly allowable OC emission limitation shall be based on the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Methods 18, 25 or 25A, as appropriate.

The annual allowable OC emission limitation was determined by multiplying the hourly allowable OC emission limitation by 8760, and then dividing by 2000. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

1.b Emission Limitations:
1.60 lbs NOx/hour and 7.01 tons NOx/year

Applicable Compliance Method:
Compliance with the hourly allowable NOx emission limitation shall be based on the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Methods 1- 4 and 7.

The permittee may also demonstrate compliance with the hourly allowable NOx emission limitation by multiplying an emission factor of 100 lbs NOx/mm cu. ft [AP-42, Chapter 1, Table 1.4-1 (revised 7/98)] by the maximum hourly natural gas combustion rate (mm cu. ft/hr).

The annual allowable NOx emission limitation was determined by multiplying the hourly allowable NOX emission limitation by 8760, and then dividing by 2000. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

1.c Emission Limitations:
1.34 lbs CO/hour and 5.87 tons CO/year

Applicable Compliance Method:
Compliance with the hourly allowable CO emission limitation shall be based on the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Methods 1 - 4 and 10.

The permittee may also demonstrate compliance with the hourly allowable CO emission limitation by multiplying an emission factor of 84 lbs CO/mm cu. ft [AP-42, Chapter 1, Table 1.4-1 (revised 7/98)] by the maximum hourly natural gas combustion rate (mm cu. ft/hr).

The annual allowable OC emission limitation was determined by multiplying the hourly allowable OC emission limitation by 8760, and then dividing by 2000. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

1.d Emission Limitations:
2.06 lb PE/hour and 9.02 tons PE/year

Applicable Compliance Method:
Compliance with the hourly allowable PE limitation shall be based on the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Methods 1 - 5.

The permittee may also demonstrate compliance with the hourly allowable PE limitation by multiplying the maximum outlet grain loading of 0.008 gr/dscf by the maximum volumetric air flow (30,000 acfm) and by 60, and then dividing by 7000.

The annual allowable PE limitation was determined by multiplying the hourly allowable PE limitation by 8760, and then dividing by 2000. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

V. Testing Requirements (continued)

1.e Emissions Limitation:
Visible PE shall not exceed 0% opacity, as a six-minute average (from the baghouse).

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

1.f Emission Limitation:
No visible PE (from the building enclosure).

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

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

2.a The emission testing shall be conducted within 3 months after issuance of the permit. Further testing shall be conducted in accordance with Engineering Guide #16.

2.b The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for OC, NOx, CO, and PE.

2.c The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rates:

i. for OC: Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A;

ii. for NOx: Methods 1 through 4 and 7 of 40 CFR, Part 60, Appendix A;

iii. for CO: Methods 1 through 4 and 10 of 40 CFR, Part 60, Appendix A; and

iv. for PE: 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.

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

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Pelletizing Plant: Crushing, Screening, and Mtl. Hand. (P024)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
pelletizing plant: crushing, screening, and material handling with building enclosure and controlled with five baghouses	OAC rule 3745-31-05(A)(3) (PTI #03-7409)	1.15 lbs particulate emissions (PE)/hr 5.03 tons PE/yr (See A.I.2.b.) No visible PE (from the building enclosure, see A.I.2.c.). Visible PE shall not exceed 0% opacity, as a six-minute average (from each baghouse, see A.I.2.c). See A.I.2.a.
	OAC rule 3745-17-11(B)	See A.I.2.d.
	OAC rule 3745-17-07(A)	See A.I.2.d.

2. Additional Terms and Conditions

2.a Best available technology (BAT) for this emissions unit has been determined to be use of total building enclosure vented to a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf (the baghouse control system is comprised of five baghouses (see A.I.2.b.and A.V.1.a)). [All the PE from this emissions unit shall be vented to the baghouse control system.]

2.b All PE are assumed to be PM10.

2. Additional Terms and Conditions (continued)

2.c The emission points that are covered by this permit and are subject to the requirements of OAC rules 3745-31-05(A)(3) [the requirements of visible PE of 0% opacity, as a six minute average (from the bughouses' stacks) and the no visible fugitive PE (from the building enclosures)]:

Emission Point: wood flour surge bin to screw conveyor 116
Equipment Type: transfer point

Emission Point: screw conveyor 116 to munson mixer
Equipment Type: transfer point

Emission Point: limestone surge bin to screw conveyor 124
Equipment Type: transfer point

Emission Point: screw conveyor 124 to munson mixer
Equipment Type: transfer point

Emission Point: munson mixer to screw conveyor 126
Equipment Type: transfer point

Emission Point: screw conveyor 126 to turbulator
Equipment Type: transfer point

Emission Point: turbulator to pelletizer
Equipment Type: transfer point

Emission Point: pelletizer to conveyor 17
Equipment Type: transfer point

Emission Point: conveyor 17 to pellet dryer
Equipment Type: transfer point

Emission Point: pellet dryer to vibrating conveyor 25
Equipment Type: transfer point

Emission Point: vibrating conveyor 25 to conveyor 26
Equipment Type: transfer point

Emission Point: conveyor 26 to elevator
Equipment Type: transfer point

Emission Point: elevator to triple deck pellet screen
Equipment Type: transfer point

Emission Point: triple deck pellet screen
Equipment Type: screening

Emission Point: elevator dried stone check screen
Equipment Type: transfer point

2. Additional Terms and Conditions (continued)

Emission Point: dried stone check screen
Equipment Type: screening

Emission Point: dried stone check screen to triple deck pellet screen
Equipment Type: transfer point

Emission Point: dried stone check screen to stedman crusher
Equipment Type: transfer point

Emission Point: stedman crusher
Equipment Type: crushing

Emission Point: stedman crusher to conveyor 17
Equipment Type: transfer point

Emission Point: dried stone check screen to screw conveyor 29
Equipment Type: transfer point

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

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse stacks (Baghouses P024-1BH, P024-2BH, P024-3BH, P024-4BH, and P024-5BH) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the total duration of any visible emission incident; and
c. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which visible particulate emissions from the baghouses stacks serving this emissions unit and/or any visible fugitive particulate emissions from the egress points were observed, and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) 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 specified in Section A.I.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitations:
1.15 lbs PE/hour (stack emissions)
0.01 gr PE/dscf (stack emissions)

Applicable Compliance Method:
The permittee shall demonstrate compliance with the limitations above based on the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 5.

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

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

P024-1BH = PE from all the material handling operations not controlled by other bughouses
= (0.01 gr/ft3)(5625 ft3*/min)(60 min/hr)(lb/7000 grain)
= 0.48 lb PE/hr

*The maximum volumetric air flow for this baghouse is 7500 ft3/min. 5625 ft3/min (75%) is dedicated to P024-1BH and 1875 ft3/min is dedicated to emission unit P901.

P024-2BH = PE from the dried stone check screen of P024
= (0.01 gr/ft3)(1600 ft3/min)(60 min/hr)(lb/7000 grain)
= 0.14 lb PE/hr

P024-3BH = PE from the Stedman crusher of P024
= (0.01 gr/ft3)(1600 ft3/min)(60 min/hr)(lb/7000 grain)
= 0.14 lb PE/hr

P024-4BH = PE from the limestone surge bin of P024
= (0.01 gr/ft3)(2880 ft3/min)(60 min/hr)(lb/7000 grain)
= 0.25 lb PE/hr

P024-5BH = PE from the recycle surge bin of P024
= (0.01 gr/ft3)(1600 ft3/min)(60 min/hr)(lb/7000 grain)
= 0.14 lb PE/hr

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

1.b Emission Limitation:
5.03 tons PE/year (stack emissions)

Applicable Compliance Method:
The annual allowable PE limitation was determined by multiplying the hourly allowable PE limitation by 8760, and then dividing by 2000. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

1.c Emission Limitation:
Visible PE from the baghouse stacks shall not exceed 0% opacity, as a six-minute average.

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

V. Testing Requirements (continued)

1.d Emission Limitation:
No visible PE from the building enclosures.

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

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

2.a The emission testing shall be conducted within 3 months after issuance of the permit. Further testing shall be conducted in accordance with Engineering Guide #16.:

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

2.c The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate for PE: 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.

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

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Wood Flour Receiving, Conveying, and Storage Operations (P026)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
wood flour receiving, conveying, and storage operations at the pelletizing plant, controlled by two baghouses	OAC rule 3745-31-05(A)(3) (PTI #03-13537)	0.17 lb particulate emissions (PE)/hr; 0.75 ton PE/yr 0.02 gr/dscf (See A.I.2.a.) Visible PE shall not exceed 5% opacity, as a 6-minute average (from each baghouse). There shall be no visible fugitive PE from the material receiving and conveying operations.
	OAC rule 3745-17-11(B)	See A.I.2.b.
	OAC rule 3745-17-07(A)	See A.I.2.c.

2. Additional Terms and Conditions

2.a Best available technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.02 gr/dscf. [All the PE from this emissions unit shall be vented to the baghouse control system.]

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

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

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse stacks serving this emissions unit (baghouses P026-1BH and P026-2BH). The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the receiving and conveying operations associated with this emissions unit. The presence or absence of any visible fugitive particulate 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 emission incident; and
c. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitations:
0.17 lb PE/hr and 0.75 ton PE/yr (See A.VI.1.)

Applicable Compliance Method:
The hourly allowable PE limitation (for stack emissions) was established as follows:

i. for baghouse P026-1BH: multiply the maximum grain loading of 0.02 grain/dscf by the bughouse's maximum volumetric air flow (1600 dscf/minute) and by 60, and then divide by 7000;

ii. for baghouse P026-2BH: multiply the maximum grain loading of 0.02 grain/dscf by the bughouse's maximum volumetric air flow (1600 dscf/minute) and by 60, and then divide by 7000; and

iii. sum A.V.1.a.i + A.V.1.a.ii.

The annual allowable PE limitation was determined by multiplying the hourly allowable PE limitation by 8760, and then dividing by 2000. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

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

V. Testing Requirements (continued)

1.b Emission Limitation:
0.02 gr/dscf

Applicable Compliance Method:
This emission limitation was established using the manufacturer's guaranteed outlet grain loading concentration for the baghouses of 0.02 grain PE/dscf.

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

1.c Emission Limitation:
Visible PE shall not exceed 5% opacity, as a 6-minute average.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible PE limitation through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9.

1.d Emission Limitation:
There shall be no visible fugitive PE from the material receiving and conveying operations.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance the no visible PE limitation through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 22.

VI. Miscellaneous Requirements

1. The permittee submitted a deficient permit to install application for PTI #03-13537. A baghouse and the PE associated with that control device were not accounted for in the permit application. As a result, the permittee cannot demonstrate compliance with the current PTI limitation of 0.17 lb PE/hr. Therefore, as the initial step to allow this emissions unit to achieve compliance with the applicable requirements, the permittee shall submit a complete PTI modification application within 2 months following the issuance of this permit.

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Pelletizing Plant Loadout with 3 Bins (P901)

Activity Description: Unloading operations associated with the production of pelletized limestone products.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
pelletizing plant loadout with 2 bucket elevators, 4 screw conveyors and 3 storage bins, controlled with partial and total enclosures and a baghouse	OAC rule 3745-31-05(A)(3) (PTI #03-7409)	from the baghouse stack: 0.16 lb particulate emissions (PE)/hour, 0.70 ton PE/year Visible PE shall not exceed 0% opacity, as a six-minute average. fugitive emissions: Visible fugitive PE from the partial enclosure for the truck/railcar loadout operations shall not exceed 5% opacity, as a six-minute average. 5.40 tons PE/year (fugitive emissions) See A.I.2.a.
	OAC rule 3745-17-11(B)	See A.I.2.b.
	OAC rule 3745-17-07(A)	See A.I.2.c.
	OAC rule 3745-17-07(B)(1)	See A.I.2.d.
	OAC rule 3745-17-08(B)	See A.I.2.e.

2. Additional Terms and Conditions

2.a Best available technology (BAT) for this emissions unit has been determined to be:

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

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

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

2. Additional Terms and Conditions (continued)

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

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

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

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

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

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

3. The permittee shall maintain monthly records of the amount of material throughput, in tons, for this emissions unit.

IV. Reporting Requirements

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

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

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitations:
0.16 lb PE/hr and 0.70 ton PE/yr (from the baghouse)

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly PE limitation by multiplying the baghouse maximum outlet concentration of 0.01 grain/dscf by the maximum volumetric air flow rate of 1875 dscf/minute* and by 60, and then dividing by 7000.

The annual allowable PE limitation was determined by multiplying the hourly allowable PE limitation by 8760, and then dividing by 2000. Therefore, provided compliance is shown with the hourly emission limitation, compliance shall also be shown with the annual emission limitation.

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

*The maximum volumetric air flow for this baghouse is 7500 ft3/min. 1875 ft3/min (25%) is dedicated to P901 and 5625 ft3/min is dedicated to emission unit P024.

1.b Emission Limitation:
Visible PE shall not exceed 5% opacity, as a 6-minute average, from the baghosue stack.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible PE limitation through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9.

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

Applicable Compliance Method:
The permittee may demonstrate compliance with the annual allowable fugitive PE limitation above by multiplying the emission factor of 1.5 lbs PE/ton of materials handled [AP-42, Chapter 11.17, Table 11.17-4 (revised 2/98)] by the maximum annual material throughput of 72,000 tons, and then by a control factor (1 - 0.95).*

* The capture efficiency for the partial enclosure and the telescoping chutes is assumed to be 95%.

1.d Emission Limitation:
Visible fugitive PE shall not exceed 5% opacity, as a six-minute average, from the partial enclosure for truck/railcar loadout operations.

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Portable Drill (P902)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
portable drill(s) controlled with a fabric filter collection system	OAC rule 3745-31-05(A)(3) (PTI #03-7839)	0.69 lb particulate emissions (PE)/hr
		best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.d and A.I.2.e.)
		See A.I.2.a.
	OAC rule 3745-17-08(B)	See A.I.2.c.
	OAC rule 3745-17-07(B)(1)	Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-11(B)	See A.I.2.b.
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

2. Additional Terms and Conditions

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

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

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

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

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

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

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the fabric filter serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from this emissions unit. The presence or absence of any visible 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 color of the emissions;
b. the total duration of any visible emission incident; and
c. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

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

V. Testing Requirements

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

1.a Emission Limitation:
0.69 lb PE/hr

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

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

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

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible PE limitation above through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9.

V. Testing Requirements (continued)

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

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible PE limitation above through visible emissions observations performed in accordance with 40 CFR, Part 60, Appendix A, Method 9.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Dried Stone Plant - Coarse Stone Loadouts (P903)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
dried limestone plant - coarse stone loadout operations - controlled with a partial enclosure and a baghouse	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.a.)
	OAC rule 3745-17-07(B)(1)	Visible PE shall not exceed 20% opacity, as a 3-minute average. (See A.I.2.b.)
	OAC rule 3745-17-11(B)	46.7 lbs of PE/hr
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation specified by OAC rule 3745-17-08(B).

2. Additional Terms and Conditions

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

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

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

2. Additional Terms and Conditions (continued)

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

Emission Point: conveyor 1 to truck loadout spout
Equipment Type: transfer point

Emission Point: conveyor 1 to conveyor 2
Equipment Type: transfer point

Emission Point: conveyor 2 to railcar loadout spout
Equipment Type: transfer point

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

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

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the total duration of any visible emission incident; and
c. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which visible particulate emissions from the baghouse serving this emissions unit and/or any visible fugitive particulate emissions from the egress points were observed, and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) 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.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:

1.a Emission Limitation:
0.03 gr/dscf

Applicable Compliance Method:
If required, compliance with the 0.03 gr/dscf emission limitation shall be demonstrated through emission tests performed in accordance with with OAC rule 3745-17-03(B)(10).

V. Testing Requirements (continued)

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

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

1.c Emission Limitation:
46.7 lbs of PE/hr

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

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Dried Stone Plant - Fine Stone Loadouts (P904)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
dried limestone plant - fine stone loadout operations - controlled with a partial enclosure, baghouse, and wet scrubber	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.a.)
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions shall not exceed 20% opacity, as a 3-minute average. (See A.I.2.b.)
	OAC rule 3745-17-11(B)	27.39 lbs of particulate emissions (PE)/hr (See A.I.2.c.)
	OAC rule 3745-17-07(A)	Visible particulate stack emissions shall not exceed 20% opacity, as a 6-minute average except as provided by rule.

2. Additional Terms and Conditions

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

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

ii. all fugitive dust captured within the partial enclosure shall be vented to a baghouse and a wet scrubber.

2.b The total PE emissions from this emissions unit are emitted from two emission points, Baghouse P905-2BH and Wet Scrubber P905-700WS. The emission limitation of 27.39 lbs of PE/hr was established pursuant to OAC rule 3745-17-11(B)-Figure II and is based upon the uncontrolled mass rate of emissions from the both emission points.

II. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained within a range of 10 - 70 inches of water at all times while the emissions unit is in operation.

The scrubber pump motor amperes shall be continuously maintained at a value of not less than 25 amps at all times while the emission unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber pump motor amperes while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

a. the pressure drop across the scrubber, in inches of water, on a once per day basis;

b. the scrubber pump motor amperes, in gallons per minute, on a once per day basis; and

c. the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation.

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

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to minimize or eliminate the visible emissions.

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

IV. Reporting Requirements

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

2. The permittee shall submit quarterly deviation (excursion) reports, in accordance with the General Terms and Conditions of this permit, that identify all periods of time during which the following scrubber parameters were not maintained within the required range or at or above the required level:

a. the static pressure drop across the scrubber; and

b. the scrubber pump motor amperes.

3. The permittee shall submit quarterly summaries that inlcude a log of the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation.

V. Testing Requirements

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

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

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

1.b Emission Limitation:
27.39 lbs PE/hr

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by combining the hourly PE rates from the baghouse and scrubber (Baghouse P905-2BH and Wet Scrubber P905-700WS) that serve this emissions unit in accordance with the following calculations:

P905-2BH = a maximum grain loading of 0.03 gr/dscf multiplied by the maximum volumetric air flow (30000 dscfm), and using the appropriate conversion factors of 7000 grains/lb, 1 scf/1 acf, 60 minutes/hr. This emissions unit generates 20% of the total emissions from the baghouse

P905-700WS = emissions from the scubber shall be based on the results of the most recent emission testing. This emissions unit generates 20% of the total emissions from the wet scrubber.

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Dried Stone Plant - Crushing, Screening, Mat. Handling (P905)

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
dried limestone plant - crushing, screening, and material handling operations - with a building enclosure and controlled by 4 baghouses, a wet scrubber, and a mist eliminator	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.I.2.a.)
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions (PE) shall not exceed 20% opacity, as a 3-minute average. (See A.I.2.b.)
	OAC rule 3745-17-11(B)	50.0 lbs of PE/hr (See A.I.2.c.)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

2. Additional Terms and Conditions

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

i. the use of a building enclosure around the crushing, screening, and material handling operations and the use of hooding to minimize or eliminate visible PE of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and

ii. all fugitive dust captured within the enclosure shall be vented to four baghouses (P905-1BH, P905-2BH, P905-3BH, and P905-4BH), a mist eliminator, and a wet scrubber.

2. Additional Terms and Conditions (continued)

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

Emission Point: front end loader to feed hopper
Equipment Type: transfer point

Emission Point: feed hopper to conveyor 45 or 24
Equipment Type: transfer points

Emission Point: conveyor 24 to conveyor 25
Equipment Type: transfer point

Emission Point: conveyor 25 to conveyor 45
Equipment Type: transfer point

Emission Point: conveyor 45 to conveyor 27
Equipment Type: transfer point

Emission Point: conveyor 27 to DO dryer feed bin
Equipment Type: transfer point

Emission Point: screw conveyor 1 to DO dryer
Equipment Type: transfer point

Emission Point: DO dryer to screw conveyor 25
Equipment Type: transfer point

Emission Point: DO dryer to screen 27
Equipment Type: transfer point

Emission Point: screw conveyor 25 to screen 28
Equipment Type: transfer point

Emission Point: screw conveyor 25 to screen 29
Equipment Type: transfer point

Emission Point: screen 27
Equipment Type: screening

Emission Point: screen 28
Equipment Type: screening

Emission Point: screen 29
Equipment Type: screening

Emission Point: screens 27, 28, and 29 to screw conveyor 27
Equipment Type: transfer points

Emission Point: screens 27, 28, and 29 to screw conveyor 26
Equipment Type: transfer points

Emission Point: screw conveyor 27 to elevator 18
Equipment Type: transfer point

2. Additional Terms and Conditions (continued)

Emission Point: elevator 18 to surge bin
Equipment Type: transfer point

Emission Point: surge bin to feeder 7
Equipment Type: transfer point

Emission Point: feeder 7 to crusher 1
Equipment Type: transfer point

Emission Point: crusher 1
Equipment Type: crusher

Emission Point: crusher 1 to screw conveyor 28
Equipment Type: transfer point

Emission Point: screw conveyor 28 to elevator 19
Equipment Type: transfer point

Emission Point: elevator 19 to screen 30
Equipment Type: transfer point

Emission Point: screen 30
Equipment Type: screening

Emission Point: screen 30 to surge bin
Equipment Type: transfer point

Emission Point: screen 30 to air separator 1
Equipment Type: transfer point

Emission Point: screen 30 to conveyor 32
Equipment Type: transfer point

Emission Point: elevator 19 to screen 31
Equipment Type: transfer point

Emission Point: screen 31
Equipment Type: screening

Emission Point: screen 31 to surge bin
Equipment Type: transfer point

Emission Point: screen 31 to air separator 2
Equipment Type: transfer point

Emission Point: screen 31 to conveyor 32
Equipment Type: transfer point

Emission Point: air separator 1 to screw conveyor 31
Equipment Type: transfer point

Emission Point: air separator 2 to screw conveyor 31
Equipment Type: transfer point

Emission Point: screw conveyor 31 to screw conveyor 32
Equipment Type: transfer point

2. Additional Terms and Conditions (continued)

Emission Point: screw conveyor 32 to screw conveyor 33
Equipment Type: transfer point

Emission Point: screw conveyor 33 to DRP feed bins
Equipment Type: transfer point

Emission Point: DRP feed bins to screw conveyor 34
Equipment Type: transfer point

Emission Point: screw conveyor 34 to elevator 12
Equipment Type: transfer point

Emission Point: elevator 12 to screw conveyor 8
Equipment Type: transfer point

Emission Point: screw conveyor 8 to air separator 5
Equipment Type: transfer point

Emission Point: air separator 5 to DRP bin 3
Equipment Type: transfer point

Emission Point: air separator 5 to screen 20
Equipment Type: transfer point

Emission Point: screen 20
Equipment Type: screening

Emission Point: screen 20 to DRP bin 1
Equipment Type: transfer point

Emission Point: screen 20 to DRP bin 2
Equipment Type: transfer point

Emission Point: screen 20 to crusher 1 surge bin
Equipment Type: transfer point

Emission Point: screw conveyor 26 to conveyor 32
Equipment Type: transfer point

Emission Point: conveyor 32 to conveyor 33
Equipment Type: transfer point

Emission Point: conveyor 33 to conveyor 34
Equipment Type: transfer point

Emission Point: conveyor 34 to screw conveyor 2
Equipment Type: transfer point

Emission Point: screw conveyor 2 to screen 12
Equipment Type: transfer point

Emission Point: screen 12
Equipment Type: screening

Emission Point: screen 12 to bin 4
Equipment Type: transfer point

2. Additional Terms and Conditions (continued)

Emission Point: screen 12 to conveyor 44
Equipment Type: transfer point

Emission Point: screen 12 to conveyor 43
Equipment Type: transfer point

Emission Point: screen 12 to conveyor 42
Equipment Type: transfer point

Emission Point: screen 12 to bin 2
Equipment Type: transfer point

Emission Point: screw conveyor 2 to screen 13
Equipment Type: transfer point

Emission Point: screen 13
Equipment Type: screening

Emission Point: screen 13 to bin 4
Equipment Type: transfer point

Emission Point: screen 13 to conveyor 44
Equipment Type: transfer point

Emission Point: screen 13 to conveyor 42
Equipment Type: transfer point

Emission Point: screen 13 to bin 3
Equipment Type: transfer point

Emission Point: screw conveyor 2 to screen 16
Equipment Type: transfer point

Emission Point: screen 16
Equipment Type: screening

Emission Point: screen 16 to conveyor 44
Equipment Type: transfer point

Emission Point: screen 16 to conveyor 43
Equipment Type: transfer point

Emission Point: screen 16 to conveyor 42
Equipment Type: transfer point

Emission Point: screen 16 to bin 3
Equipment Type: transfer point

Emission Point: screw conveyor 2 to screen 26
Equipment Type: transfer point

Emission Point: screen 26
Equipment Type: screening

Emission Point: screen 26 to screen 21
Equipment Type: transfer point

Emission Point: screen 26 to bin 5
Equipment Type: transfer point

2. Special Terms and Conditions (continued)

Emission Point: screen 25 to surge bin
Equipment Type: transfer point

Emission Point: screen 26 to conveyor 44
Equipment Type: transfer point

Emission Point: screen 26 to conveyor 43
Equipment Type: transfer point

Emission Point: screen 26 to conveyor 42
Equipment Type: transfer point

Emission Point: conveyor 44 to screen 21
Equipment Type: transfer point

Emission Point: screen 21
Equipment Type: screening

Emission Point: screen 21 to bin 5
Equipment Type: transfer point

Emission Point: screen 21 to surge bin
Equipment Type: transfer point

Emission Point: conveyor 43 to bin 2
Equipment Type: transfer point

Emission Point: conveyor 42 to screw conveyor 29
Equipment Type: transfer point

Emission Point: screw conveyor 29 to air separator 3
Equipment Type: transfer point

Emission Point: screw conveyor 29 to air separator 4
Equipment Type: transfer point

Emission Point: air separator 3 to bin 1
Equipment Type: transfer point

Emission Point: air separator 4 to bin 1
Equipment Type: transfer point

Emission Point: air separator 3 to screw conveyor 30
Equipment Type: transfer point

Emission Point: air separator 4 to screw conveyor 30
Equipment Type: transfer point

Emission Point: screw conveyor 30 to screw conveyor 31
Equipment Type: transfer point

Emission Point: bin 1 to conveyor 1
Equipment Type: transfer point

Emission Point: bin 2 to conveyor 1
Equipment Type: transfer point

Emission Point: bin 3 to conveyor 1
Equipment Type: transfer point

2. Additional Terms and Conditions (continued)

Emission Point: bin 4 to conveyor 1
Equipment Type: transfer point

Emission Point: bin 5 to conveyor 1
Equipment Type: transfer point

Emission Point: coarse fraction cyclone to hopper 4476
Equipment Type: transfer point

Emission Point: hopper 4476 to DRP bin 4, 7, 9, or 10
Equipment Type: transfer points

Emission Point: fine fraction cyclone to hopper 4477
Equipment Type: transfer point

Emission Point: fine fraction cyclone to screw conveyor 15
Equipment Type: transfer point

Emission Point: screw conveyor 15 to hopper 4476
Equipment Type: transfer point

Emission Point: hopper 4477 to bin 6 or 7
Equipment Type: transfer point

Emission Point: AAF baghouse to screw conveyor 37
Equipment Type: transfer point

Emission Point: screw conveyor 37 to screw conveyor 41
Equipment Type: transfer point

Emission Point: screw conveyor 41 to screw conveyor 22
Equipment Type: transfer point

Emission Point: screw conveyor 22 to elevator 12
Equipment Type: transfer point

2.c The total PE from this emissions unit are emitted from the following five emission points: Baghouse P905-1BH, Baghouse P905-2BH, Baghouse P905-3BH, Baghouse P905-4BH, and Wet Scrubber P905-700WS. The limitation of 50.0 lbs PE/hr was established pursuant to OAC rule 3745-17-11(B)-Figure II and was based upon the uncontrolled mass rate of PE from the five emission points.

II. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained within a range of 10 - 70 inches of water at all times while the emissions unit is in operation.

The scrubber pump motor amperes shall be continuously maintained at a value of not less than 25 amps at all times while the emission unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the location and color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to minimize or eliminate the visible emissions.

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

2. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber and the scrubber pump motor amperes while the emissions unit is in operation. The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record the following information each day:

a. the pressure drop across the scrubber, in inches of water, on a once per day basis;

b. the scrubber pump motor amperes on a once per day basis; and

c. the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (the Ohio EPA, Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit quarterly deviation (excursion) reports, in accordance with the General Terms and Conditions of this permit, that identify all periods of time during which the following scrubber parameters were not maintained within the required range or at or above the required level:

a. the static pressure drop across the scrubber; and

b. the scrubber pump motor amperes.

3. The permittee shall submit quarterly summaries that inlcude a log of the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:
50 lbs of PE/hr

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by combining the hourly emissions from the following five emission points: Baghouse P905-1BH, Baghouse P905-2BH, Baghouse P905-3BH, Baghouse P905-4BH, and Wet Scrubber P905-700WS, in accordance with the following calculations:

P905-1BH = a maximum grain loading of 0.03 gr/dscf multiplied by the baghouse's maximum volumetric air flow (1600 dscfm), and using the appropriate conversion factors of 7000 grains/lb, 1 scf/1 acf, and 60 minutes/hr;

P905-2BH = a maximum grain loading of 0.03 gr/dscf multiplied by the baghouse's maximum volumetric air flow (1600 dscfm), and using the appropriate conversion factors of 7000 grains/lb, 1 scf/1 acf, and 60 minutes/hr;

P905-3BH = a maximum grain loading of 0.03 gr/dscf multiplied by the baghouse's maximum volumetric air flow (1600 dscfm), and using the appropriate conversion factors of 7000 grains/lb, 1 scf/1 acf, and 60 minutes/hr;

P905-4BH = a maximum grain loading of 0.03 gr/dscf multiplied by the baghouse's maximum volumetric air flow (1600 dscfm), and using the appropriate conversion factors of 7000 grains/lb, 1 scf/1 acf, and 60 minutes/hr; and

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

The permittee shall demonstrate compliance with the emission limitation from the wet scrubber based on the results of emission testing conducted in accordance with requirements specified in Section A.V.2.

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

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

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

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

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

2.a The emission testing shall be conducted within 3 months after permit issuance. Further emission testing shall be conducted in accordance with Ohio EPA Engineering Guide #16.

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

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

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

V. Testing Requirements (continued)

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

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

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

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

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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