



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
ALLEN COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 03-13962

DATE: 6/19/2003

Bluffton Stone Company, Inc.
Jim Scheub
P.O. Box 607
Napoleon, OH 43545

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging 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 by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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 within thirty (30) days after the notice of the Directors 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. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

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

cc: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 6/19/2003
Effective Date: 6/19/2003**

FINAL PERMIT TO INSTALL 03-13962

Application Number: 03-13962
APS Premise Number: 0302000088
Permit Fee: **\$1200**
Name of Facility: Bluffton Stone Company, Inc.
Person to Contact: Jim Scheub
Address: P.O. Box 607
Napoleon, OH 43545

Location of proposed air contaminant source(s) [emissions unit(s)]:

**310 Quarry Drive
Bluffton, Ohio**

Description of proposed emissions unit(s):

Modification to aggregate processing plant and material storage piles.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

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

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representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

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and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

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14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. 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. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

| <u>Pollutant</u> | <u>Tons Per Year</u> |
|------------------|----------------------|
| PM | 8.61 |

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(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 specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|--|--------------------------------------|--|
| F001 - aggregate processing plant including crushing, screening, conveying, and truck unloading (modification to PTI 03-8225, originally issued on January 11, 1995, to allow for increased allowable emissions. | OAC rule 3745-31-05 (A)(3) | 8.46 TPY fugitive particulate emissions (PE) Visible Emission Restrictions (see A.2.g & A.2.h) Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.c) |
| | | See A.2.d |
| | OAC rule 3745-17-07(B) | See A.2.e |
| | OAC rule 3745-17-08(B) | See A.2.f |
| | 40 CFR, Part 60, Subpart OOO | Visible Emission Restrictions (see A.2.g & A.2.h) |

2. Additional Terms and Conditions

- 2.a The permittee shall employ best available control measures for the above-identified material handling operations for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee’s permit application, the permittee has committed to perform the following control measures to ensure compliance:

| <u>material handling operation</u> | <u>control measure(s)</u> |
|------------------------------------|---------------------------|
| loading and unloading | reduced drop height |
| transfer points | wet suppression |
| primary crushing and screening | water sprays |

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

- 2.b** For each material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
- 2.c** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- 2.d** The requirements of this rule also include compliance with OAC rule 3745-17-07(B), OAC rule 3745-17-08(B) and CFR 40 Part 60, Subpart OOO.
- 2.e** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.f** Bluffton Stone Company is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- 2.g** Visible emissions from the material processing equipment when processing concrete materials shall not exceed the following opacity restrictions:

| Emissions Point (Company ID) | Equipment Type | Opacity Limit as a 6-minute average, unless otherwise specified |
|---|---------------------------|--|
|---|---------------------------|--|

| | | | Regulatory Basis for Limit |
|----------------------------------|----------------|--|-----------------------------------|
| front-end loader to feeder | transfer point | 20% as a 3-minute average | OAC rule 3745-31-05 |
| primary crusher 831 | crusher | 20% | OAC rule 3745-17-08 |
| conveyor 871 to screen 846 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 846 | screen | 5% | OAC rule 3745-31-05 |
| crusher 834 | crusher | 15% | NSPS, Subpart OOO |
| crusher 834 to conveyor 891 | transfer point | 5% | OAC rule 3745-31-05 |
| crusher 834 to storage pile 6x12 | transfer point | no visible emissions for a period of time not to exceed one minute during and 60-minute observation period | OAC rule 3745-31-05 |
| crusher 834 to conveyor 883 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 883 to surg bin | transfer point | 5% | OAC rule 3745-31-05 |
| surge bin to conveyor 865 | transfer point | 5% | OAC rule 3745-31-05 |
| surge bin to crusher 835 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 2 to conveyor 29 | transfer point | 5% | OAC rule 3745-31-05 |
| crusher 835 | crusher | 15% | OAC rule 3745-31-05 |
| crusher 835 to conveyor 870 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 870 to conveyor 879 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 870 to conveyor 878 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 879 to screen 847 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 847 | screen | 5% | OAC rule 3745-31-05 |
| conveyor 878 to screen 849 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 849 | screen | 5% | OAC rule 3745-31-05 |

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Issued

Facility ID: 0302000088

Emissions Unit ID: F001

| | | | |
|----------------------------------|----------------|--|---------------------|
| conveyor 882 to storage pile 304 | transfer point | no visible emissions for a period of time not to exceed one minute during and 60-minute observation period | OAC rule 3745-31-05 |
| screen 847 to conveyor 877 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 847 to conveyor 868 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 849 to conveyor 874 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 849 to conveyor 896 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 849 to conveyor 873 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 878 to conveyor 894 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 896 to storage pile 6 | transfer point | no visible emissions for a period of time not to exceed one minute during and 60-minute observation period | OAC rule 3745-31-05 |
| conveyor 868 to conveyor 894 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 894 to conveyor 873 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 873 to conveyor 897 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 897 to storage pile 8 | transfer point | no visible emissions for a period of time not to exceed on minute during any 60-minute observation period | OAC rule 3745-31-05 |
| conveyor 877 to stacker 888 | transfer point | 5% | OAC rule 3745-31-05 |
| stacker 888 to conveyor 892 | transfer point | 5% | OAC rule 3745-31-05 |

| | | | |
|----------------------------------|----------------|---|---------------------|
| conveyor 892 to conveyor 889 | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 889 to screen 840 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 840 | screen | 5% | OAC rule 3745-31-05 |
| screen 840 to stacker 863 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 840 to stacker 866 | transfer point | 5% | OAC rule 3745-31-05 |
| screen 840 to 864 stacker | transfer point | 5% | OAC rule 3745-31-05 |
| conveyor 864 to conveyor 820 | transfer point | 5% | OAC rule 3745-31-05 |
| stacker 888 to storage pile 10 | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |
| stacker 866 to sand storage pile | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |
| stacker 864 to ag lime bldg. | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |

- 2.h** Visible emissions from the material processing equipment when processing non-concrete material shall not exceed the following opacity restrictions:

| Emissions Point (Company ID) | Equipment Type | Opacity Limit as a 6-minute average, unless otherwise specified | Regulatory Basis for Limit |
|-------------------------------------|-----------------------|--|-----------------------------------|
| front-end loader to feeder | transfer point | 20% as a 3-minute average | OAC rule 3745-31-05 |
| primary crusher 831 | crusher | 20% | OAC rule 3745-17-08 |

| | | | |
|----------------------------------|----------------|---|---------------------|
| conveyor 871 to screen 846 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 846 | screen | 10% | OAC rule 3745-31-05 |
| crusher 834 | crusher | 15% | NSPS, Subpart OOO |
| crusher 834 to conveyor 891 | transfer point | 10% | OAC rule 3745-31-05 |
| crusher 834 to storage pile 6x12 | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |
| crusher 834 to conveyor 883 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 883 to surg bin | transfer point | 10% | OAC rule 3745-31-05 |
| surge bin to conveyor 865 | transfer point | 10% | OAC rule 3745-31-05 |
| surge bin to crusher 835 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 2 to conveyor 29 | transfer point | 10% | OAC rule 3745-31-05 |
| crusher 835 | crusher | 15% | OAC rule 3745-31-05 |
| crusher 835 to conveyor 870 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 870 to conveyor 879 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 870 to conveyor 878 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 879 to screen 847 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 847 | screen | 10% | OAC rule 3745-31-05 |
| conveyor 878 to screen 849 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 849 | screen | 10% | OAC rule 3745-31-05 |
| conveyor 882 to storage pile 304 | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |

Bluffton Stone Company, Inc.

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Issued**Facility ID: 0302000088****Emissions Unit ID: F001**

| | | | |
|--------------------------------|----------------|---|---------------------|
| screen 847 to conveyor 877 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 847 to conveyor 868 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 849 to conveyor 874 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 849 to conveyor 896 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 849 to conveyor 873 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 878 to conveyor 894 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 896 to storage pile 6 | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |
| conveyor 868 to conveyor 894 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 894 to conveyor 873 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 873 to conveyor 897 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 897 to storage pile 8 | transfer point | no visible emissions for a period of time not to exceed one minute during any 60-minute observation period. | OAC rule 3745-31-05 |
| conveyor 877 to stacker 888 | transfer point | 10% | OAC rule 3745-31-05 |
| stacker 888 to conveyor 892 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 892 to conveyor 889 | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 889 to screen 840 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 840 | screen | 10% | OAC rule 3745-31-05 |
| screen 840 to stacker 863 | transfer point | 10% | OAC rule 3745-31-05 |

| | | | |
|----------------------------------|----------------|---|---------------------|
| screen 840 to stacker 866 | transfer point | 10% | OAC rule 3745-31-05 |
| screen 840 to 864 stacker | transfer point | 10% | OAC rule 3745-31-05 |
| conveyor 864 to conveyor 820 | transfer point | 10% | OAC rule 3745-31-05 |
| stacker 888 to storage pile 10 | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |
| stacker 866 to sand storage pile | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |
| stacker 864 to ag lime bldg. | transfer point | no visible emissions for a period of time not to exceed one minute during a 60-minute observation period. | OAC rule 3745-31-05 |

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

B. Operational Restrictions

1. The maximum annual material throughput for this emissions unit shall not exceed 1,460,000 tons. This restriction is based on the material throughput of the crusher.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount (tons per month and total tons, to date, for the calendar year) of material processed through the feeder of 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:

| <u>Material Handling Operations</u> | <u>Minimum Inspection Frequency</u> |
|-------------------------------------|-------------------------------------|
| All | Once During Each Day of Operation |

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.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency; 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 written reports of the results of all performance tests conducted to

Emissions Unit ID: **F001**

demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.

3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a crusher, grinding mill, bucket elevator, bagging operations, or enclosed truck or railcar loading station:
 - i. the rated capacity, in tons per hour, of the existing facility being replaced, and
 - ii. the rated capacity, in tons per hour, of the replacement equipment;
 - b. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted within 30 days of after the equipment replacement.

4. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:

Bluffton
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Issued: 6/19/2003

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- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date); and
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, OH 43216-1049

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

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points, screens and crushers of emissions unit F001.
2. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.
3. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.
4. The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:
 - a. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
5. The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation

Emissions Unit ID: F001

parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emission tests.

6. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and /or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

7. Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: 8.46 TPY fugitive PE

Applicable Compliance Method: To demonstrate compliance with the annual limitation, the following equation shall be used: Total Emissions = S truck unloading* + crushing** + screening*** + transfer points****

*truck unloading: Multiply the AP-42 emission factor of 0.00001 lb PE/ton (Section 11.19.2-1/95) by the maximum annual throughput of 1,460,000 tons and divide by 2000. Multiplied by PM-10 emission factor by 2.1 to determine PE emission factor per AP-42 guidance.

**Crushing: For the crusher, multiply the AP-42 emission factor of 0.0007 lb PE/ton (Section 11.19.2 - 1/95) by the maximum annual throughput of 1,460,000 tons 95% control by use of spray bars and divide by 2000.

***Screening: For the screener, multiply the AP-42 emission factor of 0.00084 lb PE/ton (Section 11.19.2 - 1/95) by the maximum annual throughput of 1,460,000 tons and divide by 2000. Multiplied by PM-10 emission factor by 2.1 to determine PE emission factor per AP-42 guidance

****Transfer Points: For each transfer point, multiply the AP-42 emission factor of 0.000048 lb PE/ton (Section 11.19.2 - 9/95) by the maximum annual throughput of 1,460,000 tons and divide by 2000. Multiplied by PM-10 emission factor by 2.1 to determine PE emission factor per AP-42 guidance

- b. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere

from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method: Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

- c. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen, when non-concrete material is processed, any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

- d. Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen, when concrete material is processed, any fugitive emissions which exhibit greater than 5% opacity.

Applicable Compliance Method: Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

- e. Emission Limitation: No visible emissions except for a period of time not to exceed one minute during any 60-minute observation period of the transfer of material from conveyors/stackers to storage piles.

Applicable Compliance Method: Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

| <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | |
|---|--------------------------------------|------------------------|
| F003 - material storage piles. (modification to PTI 03-8225, originally issued on January 11, 1995, to allow for increased allowable emissions. | OAC rule 3745-31-05 (A)(3) | OAC rule 3745-17-07(B) |
| load-in and load-out of storage piles (see Section A.2.a for identification of storage piles) | OAC rule 3745-31-05 (A)(3) | OAC rule 3745-17-08(B) |
| | OAC rule 3745-17-07(B) | |
| | OAC rule 3745-17-08(B) | |
| wind erosion from storage piles (see Section A.2.a for identification of storage piles) | OAC rule 3745-31-05(A)(3) | |

Applicable Emissions
Limitations/Control Measures

0.15 TPY fugitive particulate emissions (PE)

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b, A.2.c and A.2.f)

See A.2.g

See A.2.h

No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)

See A.2.g

See A.2.h

2. Additional Terms and Conditions

- 2.a** The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:
- i. 8 aggregate products storage piles
- 2.b** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduction of drop heights 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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures is unnecessary.
- 2.d** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintenance of as low a pile height as possible 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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measures 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 3745-31-05.

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- 2.g** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.h** Bluffton Stone Company is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

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

Storage Pile Identification

All Storage Piles

Minimum Load-In Inspection Frequency

Once during each day of operation

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

All Storage Piles

Minimum Load-Out Inspection Frequency

Once during each day of operation

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

All Storage Piles

Minimum Wind Erosion Inspection Frequency

Once during each day of operation

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.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

Emissions Unit ID: F003

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

- a. Emission Limitation: 0.15 ton fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 50% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 1,528,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 9 acres as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 1,460,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.00099 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.04 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-out rate of 1,460,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.00099 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.04 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 4 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [2.02 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (0.07 ton PE/yr)

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

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

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

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

Applicable Compliance Method: Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

None