



State of Ohio Environmental Protection Agency

Wood County

RE: Final Permit to Install

Street
1800 \
Column

address:
149
16-1049

Application No: **03-3130**

DATE: **June 9, 1999**

Stoneco, Inc. - Lime City Quarry
Douglas M Rohrs
P.O. Box 29A
Maumee, Ohio 43537

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 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. 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

Very truly yours,

A handwritten signature in cursive script, reading "Thomas G. Rigo", is written below the closing.

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

cc: USEPA

Ohio EPA, Northwest District Office



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Application Number: 03-3130

Permit
Title

APS Premise Number: 0387000018

Permit Fee: **\$3800**

Name of Facility: Stoneco, Inc. - Lime City Quarry

Person to Contact: Douglas M Rohrs

Address: P.O. Box 29 A
Maumee, Ohio 43537

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

**8812 Fremont Pike
Perrysburg Township, Ohio**

Description of proposed emissions unit(s):

AGGREGATE PROCESSING PLANT, PRODUCT BLENDING BIN & CONVEYOR, AG LIME PROCESSING, MINERAL EXTRACTION, STORAGE PILES, ROADWAYS.

Date of Issuance: June 9, 1999

Effective Date:

June 9, 1999

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 Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon

the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

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

8. 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

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 are inadequate 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 prove to be inadequate 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 application must be made to the Director for the installation or modification of any other emissions unit(s).

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 thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

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>
Particulate Emissions (PE)	78.42
PM ₁₀	32.44

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>
600 tons per hour aggregate processing plant (modification).	OAC rule 3745-17-07(B)	None (see A.2.b.)
Modification involves increasing processing capacity from 400 tons per hour to 600 tons per hour, replacement of existing tertiary screen with new 500 tons per hour tertiary screen, replacement of existing 125 tons per hour conveyor #16 with new 125 tons per hour conveyor #16, and replacement of existing 125 tons per hour screw washer with new 125 tons per hour screw washer.	OAC rule 3745-17-08(B) OAC rule 3745-31-05	None (see A.2.a.) 17.62 TPY fugitive PE * 8.34 TPY fugitive PM ₁₀ use of best available control measures (see A.2.c.) visible emissions restrictions (see A.2.d.)

* The fugitive PE are the total particulate emissions for this emissions unit. PM₁₀ is included in the total PE.

2. Additional Terms and Conditions

- 2.a. The Stoneco., Inc. - Lime City Quarry facility 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).
- 2.b. This emissions unit is exempt from the visible particulate emission limitations specified in

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Emissions Unit ID: **F002**

OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.c.** The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust from emissions unit F002. If the inherent moisture in the aggregate is not sufficient to comply with the opacity restrictions of this permit, the permittee shall install equipment to apply water, or any other suitable dust suppressant, at appropriate locations on the line.
- 2.d.** Visible particulate emissions from the aggregate processing equipment included under this permit shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Truck Unloading to Telesmith Feeder	Transfer pt.	20% as a 3-minute average	OAC Rule 3745-31-05
Telesmith Feeder Vibrating 60" x 18" to Telesmith Primary Crusher	Transfer pt.	10%	OAC Rule 3745-31-05
Telesmith Primary Crusher Jaw 44" x 48"	Primary Crusher	15%	OAC Rule 3745-31-05
Telesmith Primary Crusher to Barber Greene Conveyor	Transfer Pt.	10%	OAC Rule 3745-31-05
Barber Greene Conveyor, Pony Belt 42' x 20" to Grasan Main Conveyor	Transfer Pt.	10%	OAC Rule 3745-31-05
Grasan Main Conveyor Belt 36" x 619' to Telesmith Vibrating Feeder	Transfer Pt.	10%*	NSPS, Subpart 000
Telesmith Vibrating Feeder, Type D, 42" x 12" to Barber Greene Stacker	Transfer Pt.	10%	OAC Rule 3745-31-05
Barber Greene Surge Stacker 36" x 230' to Surge Pile	Transfer Pt.	10%	OAC Rule 3745-31-05
Telesmith Vibrating Feeder to Barber Greene Conveyor (Rip Rap)	Transfer Pt.	10%	OAC Rule 3745-31-05
Barber Greene Conveyor, Type D Belt 36" x 60' to Rip Rap Pile	Transfer Pt.	10%	OAC Rule 3745-31-05
Loader to Jeffrey Feeder #3, Mag Vib	Transfer Pt.	10%	OAC Rule 3745-31-05
Loader to Jeffrey Feeder #2, Mag Vib	Transfer Pt.	10%	OAC Rule 3745-31-05

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Loader to Jeffrey Feeder #1, Mag Vib	Transfer Pt.	10%	OAC Rule 3745-31-05
Jeffrey Feeders to Barber Greene Conveyor	Transfer Pt.	10%	OAC Rule 3745-31-05
Barber Greene Conveyor, Tunnel Belt 36" x 360' to Main Conveyor	Transfer Pt.	10%	OAC Rule 3745-31-05
Barber Greene Main Conveyor, #1 Feed Belt 36" x 276' to Nordberg Screen	Transfer Pt.	10%	OAC Rule 3745-31-05
Nordberg Screen STA #1 3-D	Screen	10%	OAC Rule 3745-31-05
Nordberg Screen to Nordberg Conveyor, Trans #6	Transfer Pt.	10%	OAC Rule 3745-31-05
Nordberg Conveyor, Trans #6 24" x 110' to Nordberg Stacker #1	Transfer Pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #1, Radial 24" x 100' to Coarse Pile	Transfer Pt.	10%	OAC Rule 3745-31-05
Nordberg Screen to Nordberg Conveyor, Trans #2	Transfer Pt.	10%	OAC Rule 3745-31-05
Nordberg Conveyor, Trans #2 24" x 120' to Nordberg Stacker #2, Radial 24" x 125'	Transfer Pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #2 to Pile #411	Transfer Pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #2 to Pile #304	Transfer Pt.	10%	OAC Rule 3745-31-05

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Emissions Unit ID: F002 Regulatory Basis for Limit
Nordberg Screen to Humboldt Wedag Secondary Crusher	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Screen to Nordberg Conveyor #2 Screen Feed	Transfer pt.	10%	OAC Rule 3745-31-05
Humboldt Wedag Secondary Crusher, STA #1 Horizontal Impact	Secondary Crusher	15%	OAC Rule 3745-31-05
Humboldt Wedag Secondary Crusher to Nordberg Conveyor #1 Discharge	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Conveyor, #1 Discharge 30" x 35' to Nordberg Conveyor #2 Screen Feed	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Conveyor, #2 Screen Feed 30" x 170' to Telesmith Screen	Transfer pt.	10%	OAC Rule 3745-31-05
Telesmith Screen STA #2, 8' x 20' Double Deck	Screen	10%*	NSPS, Subpart OOO
Telesmith Screen, STA #2 to ISC Impact Crusher	Transfer pt.	10%	OAC Rule 3745-31-05
ISC Impact Crusher, STA #2 Vertical Impact	Tertiary Crusher	15%*	NSPS, Subpart OOO
ISC Impact Crusher to Nordberg Conveyor #2 Discharge	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Conveyor #2 Discharge 24" x 20' to Nordberg Conveyor #2 Screen Feed	Transfer pt.	10%	OAC Rule 3745-31-05

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Emissions Unit ID: F002 Regulatory Basis for Limit
Telesmith Screen STA #2 to Nordberg Conveyor Trans #3	Transfer pt.	10%	OAC Rule 3745-31-05
Telesmith Screen STA #2 to Nordberg Conveyor #3 Screen Feed	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Conveyor #3 Screen Feed 30" x 167' to Deister Screen STA #3	Transfer pt.	10%	OAC Rule 3745-31-05
Deister Screen STA #3, 3 Deck 8' x 20'	Screen	10%*	NSPS, Subpart OOO
Deister Screen STA #3 to Nordberg Conveyor Carryout	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Conveyor Carryout 24" x 192' to Nordberg Conveyor Trans #3	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Conveyor Trans #3, 24" x 115' to Nordberg Stacker #3	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #3, Radial 24" x 150' to Pile #57	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #3, Radial 24" x 150' to Pile #67	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #3, Radial 24" x 150' to Pile #6	Transfer pt.	10%	OAC Rule 3745-31-05
Deister Screen STA #3 to Nordberg Conveyor Trans #5	Transfer pt.	10%	OAC Rule 3745-31-05

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Nordberg Conveyor Trans #5, 24" x 138' to Nordberg Stacker #6	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #6, Radial 24" x 125' to Pile #8	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #6, Radial 24" x 125' to Pile #78	Transfer pt.	10%	OAC Rule 3745-31-05
Deister Screen STA #3 to Conveyor 48' x 18"	Transfer pt.	10%	OAC Rule 3745-31-05
Conveyor 48' x 18" to Nordberg Conveyor Trans #4	Transfer pt.	10%*	NSPS, Subpart OOO
Nordberg Conveyor Trans #4, 24" x 120' to Nordberg Stacker #4	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #4, Radial 24" x 150' to Pile #9	Transfer pt.	10%	OAC Rule 3745-31-05
Nordberg Stacker #4, Radial 24" x 150' to Pile # 3/8" x 0	Transfer pt.	10%	OAC Rule 3745-31-05
Conveyor 48' x 18" to Screw Washer	Transfer pt.	10%*	NSPS, Subpart OOO
Screw Washer 44' x 33"	Washer	no visible emissions	OAC Rule 3745-31-05
Screw Washer to Nordberg Conveyor Trans #1	Transfer pt.	no visible emissions	OAC Rule 3745-31-05
Nordberg Conveyor Trans #1, 24" x 110' to Nordberg Stacker #5	Transfer pt.	no visible emissions	OAC Rule 3745-31-05
Nordberg Stacker #5 to Asphalt Sand Pile	Transfer pt.	no visible emissions	OAC Rule 3745-31-05

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Emissions Unit ID: **F002**

Emissions Unit ID: **F002**

*Note: Compliance with the opacity restrictions for these emission points shall be achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup.

B. Operational Restrictions

1. The permittee shall not exceed 4,500,000 tons per year of aggregate processed in emissions unit F002. This restriction is based on the aggregate throughput of the primary 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 aggregate processed through the primary crusher of emissions unit F002.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual aggregate throughput limitation, as well as the corrective actions taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements**1. Compliance Methods Requirements:****a. Emission Limitation:**

17.62 TPY fugitive PE
8.34 TPY fugitive PM₁₀

Applicable Compliance Method:

Compliance with the emissions limitations shall be determined in accordance with the monitoring and recordkeeping specified in section C.1. and emission factors in AP-42 Chapter 11.19.2(1/95).

b. Emission Limitation:

20% opacity for truck unloading and front end loading

Applicable Compliance Method:

Method 9 of 40 CFR Part 60, Appendix A

- c. **Emission Limitation:**
 10% opacity for transfer points and screens

Applicable Compliance Method:
 Method 9 of 40 CFR Part 60, Appendix A

- d. **Emission Limitation:**
 15% opacity for crushers

Applicable Compliance Method:
 Method 9 of 40 CFR Part 60, Appendix A

- e. **Emission Limitation:**
 No visible emissions for screw washer and screw washer transfer points

Applicable Compliance Method:
 Method 22 of 40 CFR Part 60, Appendix A

2. **Emission Testing Requirements:**

The permittee shall conduct, or have conducted, emission testing for each transfer point, screen and crusher for emissions unit F002, which is subject to NSPS, Subpart OOO.

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.

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but 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.

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.

The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio Environmental Protection Agency, 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

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Emissions Unit ID: **F002**

Environmental Protection Agency, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emission tests.

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Emissions Unit ID: **F002**

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 Environmental Protection Agency, Division of Air Pollution Control within 30 days following completion of the tests.

F. Miscellaneous Requirements

None

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

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>
Mineral extraction, including overburden removal, blasting, drilling, off road truck loading, overburden loading into trucks (modification). Modification involves increasing the amount of mineral extraction in proportion to the increased throughput of the aggregate processing plant from 400 tons per hour to 600 tons per hour.	OAC rule 3745-17-07(B)	None (see A.2.b.)
	OAC rule 3745-17-08(B)	None (see A.2.a.)
	OAC rule 3745-31-05	13.71 TPY fugitive PE * 13.71 TPY fugitive PM ₁₀ use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d. through A.2.e.)

* The fugitive PE are the total particulate emissions for this emissions unit. PM₁₀ is included in the total PE.

2. Additional Terms and Conditions

- 2.a. The Stoneco., Inc. - Lime City Quarry facility 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).
- 2.b. 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.c.** The mineral extraction operations that are covered by this permit and subject to the above-mentioned requirements are listed below:

Overburden removal, blasting, drilling, off road truck loading, overburden loading into trucks.

- 2.d.** The permittee shall employ best available control measures for the above-identified mineral extraction 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>mineral extraction operation</u>	<u>control measure(s)</u>
overburden removal	minimize area of disturbed land surface, reclaim land surface as expeditiously as possible
blasting	minimize area to be blasted, prevention of overshooting
drilling	emissions vented to fabric filter
off road truck loading	prevent haul vehicle overloading
overburden loading into trucks	prevent haul vehicle overloading

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

- 2.e.** Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

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

<u>mineral extraction operation</u>	<u>minimum inspection frequency</u>
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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 mineral extraction 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 deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. **Compliance Methods Requirements:**
 - a. **Emission Limitation:**
13.71 TPY fugitive PE

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Stoneco, Inc. - Lime City Quarry

PTI Application 03 2120

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Facility ID: 0387000018

Emissions Unit ID: **F005**

13.71 TPY fugitive PM₁₀

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Emissions Unit ID: **F005**

Applicable Compliance Method:

Compliance with the emissions limitations shall be determined in accordance with the monitoring and recordkeeping specified in section C.1. through C.4.

F. Miscellaneous Requirements

None

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

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>
Bin/Conveyor for product blending	OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-31-05	None (see A.2.b.) None (see A.2.a.) 0.008 TPY fugitive PE * 0.004 TPY fugitive PM ₁₀ use of best available control measures (see A.2.c.) visible emissions restrictions (see A.2.d. and A.2.e.)

* The fugitive PE are the total particulate emissions for this emissions unit. PM₁₀ is included in the total PE.

2. Additional Terms and Conditions

- 2.a. The Stoneco., Inc. - Lime City Quarry facility 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).
- 2.b. 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.c.** The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust from emissions unit F006. If the inherent moisture in the stone is not sufficient to comply with the opacity restrictions of this permit, the permittee shall install equipment to apply water, or any other suitable dust suppressant, at appropriate locations on the line.

- 2.d.** Visible particulate emissions from the bin/conveyor equipment, when operated as a stand-alone unit, shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Front End Loader to Grasan Product Blending Bin	Transfer pt.	20% as a 3-minute average	OAC Rule 3745-31-05
Grasan Product Blending Bin	Transfer pt.	10%	OAC Rule 3745-31-05
Grasan Product Blending Bin to Grasan Conveyor Belt	Transfer pt.	10%	OAC Rule 3745-31-05
Grasan Conveyor Belt Hopper Fines Belt to Aggregate Processing	Transfer pt.	10%	OAC Rule 3745-31-05

- 2.e.** Visible particulate emissions from the bin/conveyor equipment, when operated in conjunction with the aggregate processing plant, shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Front End Loader to Grasan Product Blending Bin	Transfer pt.	20% as a 3-minute average	OAC Rule 3745-31-05
Grasan Product Blending Bin	Transfer pt.	10%*	NSPS Subpart 000
	Transfer pt.	10%*	NSPS Subpart 000
Grasan Product Blending Bin to Grasan Conveyor Belt	Transfer pt.	10%*	NSPS Subpart 000
Grasan Conveyor Belt Hopper Fines Belt to Aggregate Processing			

*Note: Compliance with the opacity restrictions for these emission points shall be achieved on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup.

B. Operational Restrictions

1. The permittee shall not exceed 75,000 tons per year of aggregate processed in emissions unit F006. This restriction is based on the processing capacity of the bin/conveyor.

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 aggregate processed through the bin/conveyor.
2. The permittee shall maintain monthly records of the number of hours the bin/conveyor was operated in conjunction with the aggregate processing plant.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual

aggregate throughput limitation, as well as the corrective actions taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance Methods Requirements:

- a. Emission Limitation:**
0.008 TPY fugitive PE
0.004 TPY fugitive PM10

Applicable Compliance Method:

Compliance with the emissions limitations shall be determined in accordance with the monitoring and recordkeeping specified in section C.1. and emission factors in AP-42 Chapter 11.19.2(1/95).

- b. Emission Limitation:**
20% opacity for front end loading

Applicable Compliance Method:

Method 9 of 40 CFR Part 60, Appendix A

- c. Emission Limitation:**
10% opacity for transfer points

Applicable Compliance Method:

Method 9 of 40 CFR Part 60, Appendix A

2. Emission Testing Requirements:

The permittee shall conduct, or have conducted, emission testing for each transfer point, for emissions unit F006, which is subject to NSPS, Subpart OOO, when used in conjunction with the aggregate processing plant.

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.

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but 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.

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.

The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio Environmental Protection Agency, 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 Environmental Protection Agency, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emission tests.

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 Environmental Protection Agency, Division of Air Pollution Control within 30 days following completion of the tests.

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Facility ID: 0387000018

Emissions Unit ID: **F006**

F. Miscellaneous Requirements

None

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

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>
Ag Lime processing, including grizzly feeder, Ag Lime screen and associated conveyors	OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-31-05	None (see A.2.b.) None (see A.2.a) 0.24 TPY fugitive PE * 0.12 TPY fugitive PM ₁₀ use of best available control measures (see A.2.c.) visible emissions restrictions (see A.2.d.)

* The fugitive PE are the total particulate emissions for this emissions unit. PM₁₀ is included in the total PE.

2. Additional Terms and Conditions

- 2.a. The Stoneco., Inc. - Lime City Quarry facility 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).
- 2.b. 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.c. The permittee shall employ best available control measures to minimize or eliminate visible

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Emissions Unit ID: **F007**

emissions of fugitive dust from emissions unit F007. If the inherent moisture in the stone is not sufficient to comply with the opacity restrictions of this permit, the permittee shall install equipment to apply water, or any other suitable dust suppressant, at appropriate locations on the line.

- 2.d.** Visible particulate emissions from the Ag Lime processing equipment included under this permit shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit	Regulatory Basis for Limit
Front End Loader to Grizzly Feeder	Transfer pt.	20% as a 3-minute average	OAC Rule 3745-31-05
Grizzly Feeder to Marco Conveyor Belt	Transfer pt.	10%	OAC Rule 3745-31-05
Marco Conveyor Belt 24" x 90' to Deister Ag Lime Screen	Transfer pt.	10%	OAC Rule 3745-31-05
Deister Ag Lime Screen, 2-D	Screen	10%	OAC Rule 3745-31-05
Deister Ag Lime Screen to Barber Greene Stacker	Transfer pt.	10%	OAC Rule 3745-31-05
Barber Greene Stacker 30" x 85' to Ag Lime Pile	Transfer pt.	10%	OAC Rule 3745-31-05

B. Operational Restrictions

1. The permittee shall not exceed 100,000 tons per year of aggregate processed in emissions unit F007. This restriction is based on the processing capacity of the grizzly feeder and Ag Lime screen.

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 aggregate processed through the grizzly feeder.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual aggregate throughput limitation, as well as the corrective actions taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance Methods Requirements:

- a. **Emission Limitation:**
0.24 TPY fugitive PE
0.12 TPY fugitive PM₁₀

Applicable Compliance Method:

Compliance with the emissions limitations shall be determined in accordance with the monitoring and recordkeeping specified in section C.1. and emission factors in AP-42 Chapter 11.19.2(1/95).

- b. **Emission Limitation:**
20% opacity for front end loading

Applicable Compliance Method:

Method 9 of 40 CFR Part 60, Appendix A

- c. **Emission Limitation:**
10% opacity for transfer points and screens

Applicable Compliance Method:

Method 9 of 40 CFR Part 60, Appendix A

F. Miscellaneous Requirements

None

PART II: SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)[Continued]

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 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
All roadways and parking areas	OAC rule 3745-31-05 (PTI #03-3130)	44.93 TPY fugitive PE * 9.08 TPY fugitive PM ₁₀
Paved roadways and parking areas (modification).	OAC rule 3745-17-07(B)	None (see A.2.b.)
Modification involves increasing the amount of vehicle traffic in proportion to the increased throughput of the aggregate processing plant from 400 tons per hour to 600 tons per hour (see A.2.c.)	OAC rule 3745-17-08(B)	None (see A.2.a.)
	OAC rule 3745-31-05 (PTI #03-3130)	no visible particulate emissions except for one minute during any 60-minute period
		use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.e., A.2.f., and A.2.h. through A.2.i.)

* The fugitive PE are the total particulate emissions for this emissions unit. PM₁₀ is included in the total PE.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/ Control Measures
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unpaved roadways
and parking areas
(see A.2.d.)

OAC rule
3745-31-05
(PTI #03-3130)

no visible particulate
emissions except for 3
minutes during any
60-minute period

use of best available
control measures that
are sufficient to
minimize or eliminate
visible emissions of
fugitive dust (see
A.2.g. through A.2.l.)

2. Additional Terms and Conditions

- 2.a.** The Stoneco., Inc. - Lime City Quarry facility 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).
- 2.b.** 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.c.** The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways:

Entrance haul road - 0.285 mile segment

paved parking areas:

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None

- 2.d.** The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:

Storage pile area - 0.34 mile segment

unpaved parking areas:

None

- 2.e.** The permittee shall employ best 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 sweeping and 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.f.** The permittee shall employ best available control measures on the unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved shoulders of all paved roadways with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.g.** The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water and/or any other suitable dust suppression chemicals, and grading, at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.h.** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of

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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.i. 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.j. 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.k. 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.l. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

B. Operational Restrictions

1. Operational Restrictions Concerning the Use of Dust Suppressants:

When a dust suppressant is used for controlling fugitive dust from the unpaved road segments and parking areas, the following restrictions shall be followed:

- a. The permittee shall certify or possess certification that all dust suppressants used to control fugitive dust meet the PCB limitations set forth in 40 CFR 761, and that there are no listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.
- b. The permittee shall not apply used oil as defined by OAC rule 3745-279-01(A)(12) as a dust suppressant.
- c. The dust suppressant shall be applied in such a manner as to prevent pollution of waters of

the State as required by the Ohio Revised Code, section 6111.

C. Monitoring and/or Recordkeeping Requirements

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

paved roadways and parking areas

minimum inspection frequency

all

daily

unpaved roadways and parking areas

minimum inspection frequency

all

daily

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.

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

1. Compliance Methods Requirements:

- a. **Emission Limitation:**
44.93 TPY fugitive PE
9.08 TPY fugitive PM₁₀

Applicable Compliance Method:

Compliance with the emissions limitations shall be determined in accordance with the monitoring and recordkeeping specified in section C.1. through C.4. and emission factors in AP-42 Chapter 13.2.1(10/97) and Chapter 13.2.2(9/98).

- b. **Emission Limitation:**
No visible emissions for paved and unpaved roadways and parking areas

Applicable Compliance Method:

Compliance with the emission limitation for the paved and unpaved roadways and parking areas 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)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

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None

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

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>
Storage piles, includes aggregate products, asphalt sand, concrete, rip rap and ag lime (modification) modification involves increasing the amount of product storage based on increasing the capacity of the aggregate processing plant from 400 tons per hour to 600 tons per hour	OAC rule 3745-17-07(B) OAC rule 3745-17-08(B) OAC rule 3745-31-05
load-in and load-out of storage piles (see A.2.c. for identification of storage piles)	OAC rule 3745-31-05
wind erosion from storage piles (see A.2.c. for identification of storage piles)	OAC rule 3745-31-05

**Applicable Emissions
Limitations/Control Measures**

None (see A.2.b.)

None (see A.2.a.)

1.91 TPY fugitive PE *
1.19 TPY fugitive PM₁₀

use of best available control
measures that are sufficient to
minimize or eliminate visible
emissions of fugitive dust (see
A.2.d., A.2.e. and A.2.h.)

no visible emissions except
for one minute in any hour

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

no visible emissions except
for one minute in any hour

* The fugitive PE are the total particulate emissions for this emissions unit. PM₁₀ is included in the total PE.

2. Additional Terms and Conditions

2.a. The Stoneco., Inc. - Lime City Quarry facility 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).

- 2.b.** 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.c.** The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

Surge Pile, Rip Rap, Coarse, Aggregate #411, #304, #8, #78, #57, #67, #6, #9, 3/8" x 0; Asphalt Sand, Ag Lime, Concrete
- 2.d.** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in materials with water and use variable height stackers; and maintain moisture content and reduced drop height during load-out 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) in A.2.d. 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.f.** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat each storage pile with water and maintain 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.g.** The above-mentioned control measure(s) in A.2.f. 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.h.** Implementation of the above-mentioned control measures in A.2.d. and A.2.f. in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

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:

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

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

all

minimum wind erosion inspection frequency

daily

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

1. Compliance Methods Requirements:

- a. **Emission Limitation:**
1.91 TPY fugitive PE
1.19 TPY fugitive PM₁₀

Applicable Compliance Method:

Compliance with the emissions limitations shall be determined in accordance with the monitoring and recordkeeping specified in section C.1. through C.7.

- b. **Emission Limitation:**
No visible emissions for load-in, load-out and 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