State of Ohio Environmental Protection Agency

Street Address: Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329 Mailing Address: Lazarus Gov. Center

RE: DRAFT PERMIT TO INSTALL MODIFICATION **CERTIFIED MAIL**
LUCAS COUNTY
Application No: 04-01145
Fac ID: 0448030006
DATE: 6/12/2008

StoneCo, Inc Maumee Quarry
Katherine Beach
301 Frank Road
Columbus, OH 43207

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install modification for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit modification. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit modification should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install modification may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install modification a fee of **$ 300** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Permit Issuance and Data Management Section at (614) 644-3631.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA TDES TOLEDO METRO AREA COUN OF GOVTS. IN MI

LUCAS COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **04-01145** FOR AN AIR CONTAMINANT SOURCE
FOR **StoneCo, Inc Maumee Quarry**

On 6/12/2008 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **StoneCo, Inc Maumee Quarry**, located at **1360 Ford St., Maumee**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 04-01145:

Modify emissions for roadways, storage piles and mineral extraction emission units at the Maumee Quarry.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Karen Granata, Toledo Department of Environmental Services, 348 South Erie Street, Toledo, OH 43604 [(419)936-3015]

DRAFT MODIFICATION OF PERMIT TO INSTALL 04-01145

Application Number:	04-01145
Facility ID:	0448030006
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	StoneCo, Inc Maumee Quarry
Person to Contact:	Katherine Beach
Address:	301 Frank Road Columbus, OH 43207

Location of proposed air contaminant source(s) [emissions unit(s)]:
1360 Ford St.
Maumee, **Ohio**

Description of proposed emissions unit(s):
Modify emissions for roadways, storage piles and mineral extraction emission units at the Maumee Quarry.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

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 (i.e., postmarked) quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

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 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.

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

Pollutant	Tons Per Year
PE	38.15
PM10	12.12(-3.18)

StoneCo, Inc Maumee Quarry **Facility ID: 0448030006**
PTI Application: 04-01145
Issued: To be entered upon final issuance
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.

Operations, Property, and/or Equipment - (F001) - Three Million TPY Aggregate Processing Plant: Mineral Extraction including Drilling, Blasting, and Truck Loading

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Hole Drilling and Blasting	
OAC rule 3745-31-05(A)(3)	0.24 tons/year of particulate emissions (PE)
	See Section A.2.a and A.2.b.
OAC rule 3745-17-07(B)	Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from fugitive dust sources.
OAC rule 3745-17-08(B)	See Section A.2.a.
Off Road Truck Loading	
OAC rule 3745-31-05(A)(3)	3.2 tons/year of fugitive particulate matter of 10 microns or less (PM10)
	6.8 tons/year of fugitive particulate emissions (PE)
	See Section A.2.a.
OAC rule 3745-17-07(B)	Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from fugitive dust sources.
OAC rule 3745-17-08(B)	See Section A.2.a.

2. Additional Terms and Conditions

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

i. The permittee shall adequately enclose and control, by dry fabric filtration, the dust emissions from the drilling operation.

ii. There shall be no visible emissions from the exhaust stack.

iii. The permittee shall employ sequential firing of minimal charges when

blasting.

iv. The permittee shall minimize drop heights to control dust emissions.

v. The permittee shall maintain sufficient moisture to control dust emissions.

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

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

B. Operational Restrictions

1. The permittee shall not exceed 132 blasts per year.

2. The permittee shall not exceed a mineral extraction throughput of 3,000,000 tons of limestone per year (this restriction is based on the amount of material loaded into trucks).

C. Monitoring and/or Recordkeeping Requirements

1. 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. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)	minimum inspection frequency
hole drilling	weekly
blasting	none applicable
off road truck loading	weekly

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

3. The permittee may, upon receipt of written approval from the Toledo Division of Environmental Services, 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); and,

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

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

5. The permittee shall maintain the following monthly records for each blast:

   a. the date the blast occurred;

   b. the total number of blasts each month; and

   c. the annual year to date, number of blasts (sum of b for each calendar month to date from January to December).

6. The permittee shall maintain monthly records of the mineral extraction throughput of limestone (i.e. the amount of materials loaded into trucks), in tons per month. For each month, the permittee shall also calculate the annual, year-to-date, amount of stone processed (cumulative total of each month to date from January to December).

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 annual deviation (excursion) reports that identify any

exceedances of the following:

a. exceedance of the 132 blasts per year limitation in term B.1.

b. exceedance of the mineral extraction throughput of 3,000,000 tons of limestone per year limitation of term B.2.

3. 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 Toledo Division of Environmental Services; and,

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 probably cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Toledo Division of Environmental Services. 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 quarter. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06).

E. Testing Requirements

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

a. <u>Emission Limitations</u>:
0.24 tons/year of PE for hole drilling and blasting.

<u>Applicable Compliance Method</u>:
Compliance with PE limitations shall be determined by using the emission factor in Section 11.9-4, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for drilling. Compliance with PE limitations shall be determined by using the emission factor in Section 11.9-1, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1

(revised 12/03) for blasting. Should further updates in AP-42 occur, the most current equations for drilling or blasting shall be used. These emission limits were based on a maximum of 3,000,000 tons production per year, and a 99% control efficiency for PE on dry filter for drilling.

b. Emission Limitations:
3.2 tons/year of fugitive PM10 for off-road truck loading
6.8 tons/year of fugitive PE for off-road truck loading

Applicable Compliance Method:
Compliance with fugitive PE and PM10 limitations shall be determined by using the emission factor equation (1) in Section 13.2.4, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for off road truck loading. Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used. These emission limits were based on a maximum of 3,000,000 tons production per year.

c. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from fugitive dust sources.

Applicable Compliance Method:
Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

F. Miscellaneous Requirements

1. No Topsoil/Overburden Removal is associated with this facility. Permittee is utilizing existing site. If circumstances should change, permittee would be required to submit application to modify permit.

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.

Operations, Property, and/or Equipment - (F004) - Three Million TPY Aggregate Processing Plant: Storage Piles including Shot, Surge, and Product Piles

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	1.0 ton/year of fugitive particulate matter of 10 microns or less (PM10)
	2.1 tons/year of fugitive particulate emissions (PE)
	no visible PE except for one minute during any 60-minute period
	best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See Sections A.2.a through A.2.e)
	Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from fugitive dust sources for aggregate handling.
OAC rule 3745-17-07(B)(6)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-17-08(B), (B)(3), (B)(6), (B)(7)	(See Sections A.2.a through A.2.e)

2. Additional Terms and Conditions

2.a The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to maintain minimal drop heights for stackers and front-loaders, and watering at sufficient treatment frequencies to ensure compliance.

The operator shall avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other

control measures to ensure compliance.

2.b The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

2.c The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the application, the permittee has committed to perform the following: watering, as necessary, to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

2.e 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(A)(3).

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	minimum load-in inspection frequency
all	weekly

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

storage pile identification	minimum load-out inspection frequency
all	weekly

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification	minimum wind erosion inspection frequency
all	weekly

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 Toledo Division of

Environmental Services, 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 not to require the control measure(s).

   The information 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 quarterly deviation reports that identify any of the following occurrences:

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

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

2. 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 Toledo Division of Environmental Services; and,

   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 probably cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Toledo Division of Environmental Services. 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 quarter. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06).

E. Testing Requirements

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

   a. Emissions Limitations:
   1.0 tons/year of fugitive PM10
   2.1 tons/year of fugitive PE

   Applicable Compliance Method:
   Compliance with fugitive PE limitations shall be determined by using the emission factor equations in Sections 13.2.4 in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 1/95), for load-in operations, load-out operations. Compliance with fugitive PE limitations shall be determined by using the emission factor equations in Sections 11.2.3 in Compilation of Air Pollutant Emission Factors, AP-42, Fourth Edition, Volume 1 (revised 9/85), for Wind Erosion emissions. These emission limits are based on a maximum production of 3,000,000 tons per year, a maximum storage surface area of 5 acres, and a 95 % overall control efficiency for PE and PM10.

   b. Emission Limitation:
   There shall be no visible PE except for a period of time not to exceed one minute in any 60-minute observation period.

   Applicable Compliance Method:
   Compliance with the visible PE 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").

c. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from fugitive dust sources from aggregate handling.

Applicable Compliance Method:
Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

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.

Operations, Property, and/or Equipment - (F005) - Three Million TPY Aggregate Processing Plant: Roadways and Parking Lots

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Paved Roadways and Parking Lots	
OAC rule 3745-31-05(A)(3)	1.08 tons/year of fugitive particulate matter of 10 microns or less (PM10)
	5.55 tons/year of fugitive particulate emissions (PE)
	no visible PE from any paved roadway or parking lot except for one minute during any 60-minute period
	best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See Sections A.2.a through A.2.f.)
OAC rule 3745-17-07(B)(4)	See Section A.2.g.
OAC rule 3745-17-08(B), (B)(7), (B)(8), (B)(9)	See Section A.2.g.
Unpaved Roadways and Parking Lots	
OAC rule 3745-31-05(A)(3)	6.84 tons/ year of fugitive particulate matter of 10 microns or less (PM10)
	23.46 tons/year of fugitive particulate emissions (PE)
	no visible PE from any unpaved roadway or parking lot except for 3 minutes during any 60-minute period
	best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See Sections A.I.2.h through A.I.2.m.)
OAC rule 3745-17-07(B)(5)	See Section A.2.g.
OAC rule 3745-17-08(B), (B)(2), (B)(7), (B)(9)	See Section A.2.g.

2. Additional Terms and Conditions

2.a 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 application, the permittee has committed to treat the paved roadways and parking areas by application of water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.b The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for paved roadways and parking areas that are 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.c 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.e 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.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 best available technology requirements of OAC rule 3745-31-05.

2.g The emission limitation specified by this rule are satisfied by the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

2.h 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 application, the permittee has committed to treat the unpaved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in

this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.i The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for unpaved roadways and parking areas that are 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.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 Any unpaved roadway or parking area that is subsequently paved, will require a General Permit for paved roadways and parking areas.

2.l 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.m 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

None

C. Monitoring and/or Recordkeeping Requirements

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

paved roadways and parking areas	minimum inspection frequency
all roads and parking areas	weekly

unpaved roadways and parking areas	minimum inspection frequency

all roads and parking areas	weekly

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 Toledo Division of Environmental Services, modify the above mentioned inspection frequencies if operating experience indicates that less than 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 updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

5. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:

   a. the date dust suppressant/water was applied to the unpaved surfaces;

   b. the portions of unpaved surfaces that were treated with dust suppressant/water;

c. the application rate of water and any chemical additives (gallons per square yard); and

d. the name of the equipment operator responsible for the application of the dust suppressant/water.

6. The permittee shall maintain records which include the following information for paved roadways and parking areas:

a. the date the paved surfaces were swept or dust suppressant/water was applied;

b. the portions of the paved surfaces that were swept or dust suppressant/water were applied;

c. the application rate of water and any chemical additives (gallons of each per square yard); and

d. the name of the equipment operator responsible for the sweeping or application of dust suppressant/water.

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 permittee shall submit required reports in the following manner:

   a. reports of any required monitoring and/or recordkeeping information shall be submitted to the Toledo Division of Environmental Services; and,

   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 probably cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Toledo Division of Environmental Services. 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 quarter. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06).

E. Testing Requirements

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

a. Emission Limitations:
1.08 tons/year of fugitive PM10 from paved roadways and parking lots
5.55 tons/year of fugitive PE from paved roadways and parking lots

Applicable Compliance Method:
Compliance with fugitive PE and PM10 limitations shall be determined by using the emission factor equations in Section 13.2.1, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for paved roadways. Should further updates in AP-42 occur, the most current equations for paved roads shall be used. These emission limits were based on a maximum of 42,000 vehicle miles traveled per year and a 95 % control efficiency for PE and PM10.

b. Emission Limitation:
No visible PE from paved roadways and parking areas except for a period of time not to exceed one minute during any 60-minute observation period.

Applicable Compliance Method:
If required, compliance with the visible PE limitation listed 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.

c. Emission Limitations:
6.84 tons/year of fugitive PM10 from unpaved roadways and parking lots
23.46 tons/year of fugitive PE from unpaved roadways and parking lots

Applicable Compliance Method:
Compliance with fugitive PE and PM10 limitations shall be determined by using the emission factor equations in Section 13.2.2, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for unpaved roadways. Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used. These emission limits were based on a maximum of 125,200 vehicle miles traveled per year and a 95 % control

efficiency for PE and PM10.

d. Emission Limitation:
No visible PE from unpaved roadways and parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period.

Applicable Compliance Method:
If required, compliance with the visible PE limitation listed 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").

F. Miscellaneous Requirements

None

SIC CODE 1422 SCC CODE 30502009/30502010 EMISSIONS UNIT ID F001
EMISSIONS UNIT DESCRIPTION Three Million TPY Aggregate Processing Plant: Mineral Extraction including Drilling, Blasting, and Truck Loading
DATE INSTALLED 1950
EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	N/A				7.04
PM_{10}	Unclassified				3.2
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment				
Nitrogen Oxides	Unclassified/Attainment				
Carbon Monoxide	Unclassified/Attainment				
Lead	N/A (attainment)				
Other: Air Toxics	N/A				

APPLICABLE FEDERAL RULES:

NSPS? N NESHAP? N PSD? N OFFSET POLICY? N

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination dry fabric filtration on drilling, sequential firing of minimal charges on blasting, minimal drop heights & sufficient moisture for off-road truck loading

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

StoneCo, Inc Maumee Quarry **Facility ID: 0448030006**
PTI Application: 04-01145
Issued: To be entered upon final issuance

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____

NE
PT
FA

Emissions Unit ID: **F005**

FACILITY DESCRIPTION Modify emissions for roadways, storage piles and mineral extraction emission units at the Maumee Quarry.

CITY/TWP Maumee

SIC CODE 1422 SCC CODE 2296000000 2294000000 EMISSIONS UNIT ID F004

EMISSIONS UNIT DESCRIPTION Three Million TPY Aggregate Processing Plant: Storage Piles including Shot, Surge, and Product Piles

DATE INSTALLED 1950

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	N/A				2.1
PM_{10}	Unclassified				1.0
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment				
Nitrogen Oxides	Unclassified/Attainment				
Carbon Monoxide	Unclassified/Attainment				
Lead	N/A (attainment)				
Other: Air Toxics	N/A				

APPLICABLE FEDERAL RULES:

NSPS? N NESHAP? N PSD? N OFFSET POLICY? N

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination maintain minimal drop heights for stackers & front loaders, sufficient watering

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 04-01145 Facility ID: 0448030006

FACILITY NAME StoneCo, Inc Maumee Quarry

FACILITY DESCRIPTION Modify emissions for roadways CITY/TWP Maumee

Emissions Unit ID: **F005**

SIC CODE 1422 SCC CODE 30510305 EMISSIONS UNIT ID F005

EMISSIONS UNIT DESCRIPTION Three Million TPY Aggregate Processing Plant: Roadways and Parking Lots

DATE INSTALLED 1950

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	N/A				29.01
PM_{10}	Unclassified				7.92
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment				
Nitrogen Oxides	Unclassified/Attainment				
Carbon Monoxide	Unclassified/Attainment				
Lead	N/A (attainment)				
Other: Air Toxics	N/A				

APPLICABLE FEDERAL RULES:

NSPS? N NESHAP? N PSD? N OFFSET POLICY? N

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination sweeping & watering of roadways, covering of open bodied vehicles if necessary

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: _____