☒ **Synthetic Minor Determination and/or** ☐ **Netting Determination**

Permit To Install **03-13773**

A. Source Description

This permit to install is for the installation of a 731 horsepower (2.06 mmBTU/hr) diesel fuel fired generator.

B. Facility Emissions and Attainment Status

The facility has requested a synthetic minor to lower the potential emissions of nitrogen oxide to 28.50 tons per rolling 12-month period, carbon monoxide to 12.06 tons per rolling 12-month period and sulfur dioxide to 8.88 tons per rolling 12-month period based on the hours of operation restriction in section B.2. of this permit to install.

C. Source Emissions

The permittee has requested the following federally enforceable restrictions resulting in the following ton per year (TPY) permit allowables:

Emission Unit	Annual Hours of Operation	S02	CO	NOx	OC	PE
P005	6000	8.88	12.06	28.50	1.56	0.39

D. Conclusion

Without federally enforceable NOx, CO, and S02 emission restrictions, this emission unit would be below major source thresholds for Title V and PSD. However, the permittee requested federally enforceable restrictions on NOx, CO, and S02 to avoid possible future Title V and PSD applicability.

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 **CERTIFIED MAIL**
WOOD COUNTY
Application No: 03-13773
DATE: 8/1/2002

Lime City Quarry - Stoneco, Inc.
Susanne Hanf
PO Box 29A 1345 Ford Street
Maumee, OH 43537

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. 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 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 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 a fee of **$200** 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, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
D Michael W. Ahern ivision of Air Pollution Control
c

c: **USEPA**
Toledo
IN

NWDO
Metro. Area Council of Gov.
MI

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: To be entered upon final issuance**
Terms and Conditions	**Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 03-13773

Application Number:	03-13773
APS Premise Number:	0387000018
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Lime City Quarry - Stoneco, Inc.
Person to Contact:	Susanne Hanf
Address:	PO Box 29A 1345 Ford Street Maumee, OH 43537

Location of proposed air contaminant source(s) [emissions unit(s)]:
8812 Fremont Pike
Perrysburg, **Ohio**

Description of proposed emissions unit(s):
731 horsepower (2.06 lb/mmBTU) diesal fuel fired generator.

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 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 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

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete

Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(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	**0.39**
NOx	**28.50**
CO	**12.06**
S02	**8.88**
OC	**1.56**

Emissions Unit ID: **P005**

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	Applicable Rules/Requirements	OAC rule 3745-17-07 (A)
P005 - 731 horsepower (2.06 lb/mmBTU) diesel fuel fired generator.	OAC rule 3745-31-05 (A) (3)	OAC rule 3745-17-11 (B) (5) (b)
		OAC rule 3745-18-06 (G)
	OAC rule 3745-31-05 (D)	

Applicable Emissions Limitations/Control Measures
0.39 tons particulate emissions (PE)/yr
9.50 lbs nitrogen oxides (NOx)/hr
4.02 lbs carbon monoxide (CO)/hr
2.96 lbs sulfur dioxide (SO2/hr)
0.52 lb organic compound (OC)/hr & 1.56 tons OC/yr
Visible particulate emissions shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown
See A.2.a.
See B.1.
28.50 tons NOx per rolling 12-month period, see A.2.b.
12.06 tons CO per rolling 12-month period, see A.2.b.
8.88 tons SO2 per rolling 12-month period, see A.2.b.
See A.2.c.
0.062 lb PE/mmBtu
See A.2.d.

2. Additional Terms and Conditions

2.a The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05 (D) and OAC rule 3745-17-11 (B) (5) (b).

2.b The permittee has requested a federally enforceable limitations of 28.50 tons of NOx per rolling 12-month period, 12.06 tons of CO per rolling 12-month period and 8.88 tons SO2 per rolling 12 month period based on the hours of operation restriction (see section B.2) for purposes of limiting potential to emit to avoid possible future Title V or PSD applicability.

2.c The emission limit based on this applicable rule is less stringent that the limit established pursuant to OAC rule 3745-31-05 (A) (3).

2.d This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06 (B).

B. Operational Restrictions

1. The permittee shall only burn low sulfur diesel fuel, containing less than 0.5% sulfur by weight, in this emissions unit.

2. The maximum annual hours of operation for emissions unit P005 shall not exceed 6000 hours per year, based upon a rolling 12-month summation of the operating hours. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Hours of Operation
1	1500
1-2	1909
1-3	2318
1-4	2727
1-5	3136
1-6	3545
1-7	3954
1-8	4363
1-9	4772
1-10	5181
1-11	5590

1-12	6000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual hours of operation limitation shall be based upon a rolling 12-month summation of operating hours.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the hours of operation;

   b. during the first 12 calendar months of operation, the cumulative hours of operation;

   c. beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the hours of operation;

   d. the calculated monthly emission rate for NOx using the following equation:

      NOx emissions in tons = (hours of operation) x (potential hourly NOx emissions) x (1 tons/2000 lbs) = (C.1.a) x (9.50 lbs NOx/hr) x (1/2000 lbs)

   e. the calculated monthly emission rate for CO using the following equation:

      CO emissions in tons = (hours of operation) x (potential hourly CO emissions) x (1 tons/2000 lbs) = (C.1.a) x (4.02/hr) x (1/2000 lbs)

   f. the calculated monthly emission rate for SO2 using the following equation:

      SO2 emissions in tons = (hours of operation) x (potential hourly SO2 emissions) x (1 tons/2000 lbs) = (C.1.a) x (2.96 lbs SO2/hr) x (1/2000 lbs)

   g. beginning the first month after the 12 calendar months of operation, the rolling, 12-month summation of the emission rates for NOx, CO, and SO2 in tons.

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

3. The permittee shall maintain documentation on the sulfur content of all fuels received.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify the following exceedances:

   a. the rolling, 12-month hours of operation limitation;

b. the rolling, 12-month NOx, CO, and S02 emissions; and

c. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative hours of operation.

d. sulfur content fuel restriction described in condition B.1.

These deviation (excursion) reports shall be submitted in accordance with the general terms and conditions of this permit.

E. Testing Requirements

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

a. **Emission Limitation:**
0.062 lb PE/mmBtu & 0.39 ton PE/yr

Applicable Compliance Method:
The lbs PE/mmBtu emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit was determined using AP-42, Table 3.4-2 (revised 10/96).

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

Compliance with the annual emission limitation shall be determined by multiplying 0.062 lb PE/mmBtu by the maximum heat input of 2.06 mmBtu/hr, and multiplying this value by the actual hours of operation per year and dividing by 2000 lbs/ton.

b. **Emission Limitation:**
2.96 lbs SO_2/hr & 8.88 tons SO2 per rolling 12-month period

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be determined by multiplying an emission factor of 0.00809 (S) lb SO2/hp-hr from AP-42, Table 3.4-1 (revised 10/96) by the maximum percentage of sulfur (S), by weight, in the diesel fuel by the maximum horsepower of the generator (731 horsepower). If required, the permittee shall

demonstrate compliance by testing in accordance with Methods 1 - 4, and 6 of 40 CFR Part 60, Appendix A.

Compliance with the SO2 per rolling 12-month period shall be demonstrated by the recordkeeping requirements in section C.1.

c. **Emission Limitation:**
9.50 lbs NOx /hr & 28.50 tons NOx per rolling 12-month period

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be determined by multiplying an emission factor of 0.013 lb NOx/hp-hr from AP-42, Table 3.4-1 (revised 10/96) by the maximum horsepower of the generator (731 horsepower). If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 7 of 40 CFR Part 60, Appendix A.

Compliance with the NOx per rolling 12-month period shall be demonstrated by the recordkeeping requirements in section C.1.

d. **Emission Limitation:**
4.02 lbs CO/hr &12.06 tons CO per rolling 12-month period

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be determined by multiplying an emission factor of 0.0055 lb CO/hp-hr from AP-42, Table 3.4-1 (revised 10/96) by the maximum horsepower of the generator (731 horsepower). If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 10 of 40 CFR Part 60, Appendix A.

Compliance with the CO per rolling 12-month period shall be demonstrated by the recordkeeping requirements in section C.1.

e. **Emission Limitation:**
0.52 lb OC/hr & 1.56 tons OC/yr

Applicable Compliance Method:
Compliance with the hourly emission limitation shall be determined by multiplying an emission factor of 0.000705 lb OC/hp-hr from AP-42, Table 3.4-1 (revised 10/96) by the maximum horsepower of the generator (731 horsepower). If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 18, 25, or 25a of 40 CFR Part 60, Appendix A.

Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by the actual hours of operation per year and dividing by 2000 lbs/ton.

f. **Emission Limitation:**
Visible PE shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance by testing in accordance with Method 9 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

None