



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL
SENECA COUNTY**

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

**Application No: 03-16190
Fac ID: 0374000163**

DATE: 7/28/2005

MGQ, Inc.
Farley Wood
PO Box 130
Old Fort, OH 44861

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

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

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

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

Sincerely,

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

CC: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 7/28/2005
Effective Date: 7/28/2005**

FINAL PERMIT TO INSTALL 03-16190

Application Number: 03-16190
Facility ID: 0374000163
Permit Fee: **\$450**
Name of Facility: MGQ, Inc.
Person to Contact: Farley Wood
Address: PO Box 130
Old Fort, OH 44861

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1967 W. CR 42
Bettsville, Ohio**

Description of proposed emissions unit(s):
550 TPH lime kiln feed processing plant.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

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

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

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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)

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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.

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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
 PE

Tons Per Year
 25.37

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

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - 550 ton/hour lime kiln feed processing plant with loading, screening, crushing, and conveying operations (modification of PTI #03-13154 issued on 4-21-99 to base emissions and material throughput on 8,760 hours of operation per year)	OAC rule 3745-31-05 (A)(3)	25.37 tons fugitive particulate emissions (PE)/year
		Visible PE restrictions (See A.2.g.)
		Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.a through A.2.c.)
	OAC rule 3745-17-07 (B)	See A.2.d.
	OAC rule 3745-17-08 (B)	See A.2.e.
	40 CFR, Part 60, Subpart OOO	See A.2.f.
		Visible PE restrictions (See A.2.g.)

2. Additional Terms and Conditions

- 2.a The permittee shall employ best available control measures for the material processing/handling operations identified below, for the purpose of ensuring compliance with the above mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the materials processed/handled is at a level which is more than

sufficient to comply with all applicable requirements. If at anytime the moisture content is not

sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.

<u>material handling operation</u>	<u>control measure(s)</u>
loading	reduced drop height
crushing and screening	water application, if needed
transfer/conveying	water application, if needed

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

- 2.b** For each material handling operation that is not adequately enclosed, the above-identified control measures shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
- 2.c** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- 2.d** The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart OOO.
- 2.e** This emission unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).

- 2.f** The permittee 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 emission unit is exempt from the requirements of OAC rule 3745-17-07 (B).

- 2.g** Visible emissions from the material processing equipment shall not exceed the following opacity restrictions:

Emissions Point (Company ID)	Equipment Type	Opacity Limit as a 6-minute average, unless otherwise specified	Regulatory Basis for Limit
truck to PF1 (vibrating feeder)	transfer point	20%, as a 3-minute average	OAC rule 3745-31-05
PF1	screen	10%	NSPS, Subpart 000
PF1 to C1 (conveyor)	transfer point	10%	NSPS, Subpart 000
PF1 to PC1 (primary crusher)	transfer point	15%	NSPS, Subpart 000
PC1	crusher	15%	NSPS, Subpart 000
PC1 to C1	transfer point	15%	NSPS, Subpart 000
C1 to C2	transfer point	10%	NSPS, Subpart 000
C2 to surge pile	transfer point	10%	NSPS, Subpart 000
surge pile to C3	transfer point	10%	NSPS, Subpart 000
C3 to C4	transfer point	10%	NSPS, Subpart 000
C4 to K824 (primary screen)	transfer point	10%	NSPS, Subpart 000
K824	screen	10%	NSPS, Subpart 000
K824 to C5	transfer point	10%	NSPS, Subpart 000
K824 to C7	transfer point	10%	NSPS, Subpart 000
K824 to C8	transfer point	10%	NSPS, Subpart 000
C5 to C6	transfer point	10%	NSPS, Subpart 000

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Emissions Unit ID: F001

C6 to K52S (secondary crusher)	transfer point	15%	NSPS, Subpart OOO
K52S	crusher	15%	NSPS, Subpart OOO
K52S to C4	transfer point	15%	NSPS, Subpart OOO
C7 to C12A OR C12B	transfer point	10%	NSPS, Subpart OOO
C8 to C11 (worst case emissions) OR C8 to C9; C9 to C10	transfer point	10%	NSPS, Subpart OOO
C11 to K616 (secondary screen)	transfer point	10%	NSPS, Subpart OOO
K616	screen	10%	NSPS, Subpart OOO
K616 to C13A OR C13B	transfer point	10%	NSPS, Subpart OOO
K616 to C15	transfer point	10%	NSPS, Subpart OOO

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

B. Operational Restrictions

None

C. Monitoring and/or Record keeping Requirements

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

Material Handling Operations

All

Minimum Inspection Frequency

Once During Each Day of Operation

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

4. The permittee shall maintain records of the following information:
 - a. The date and reason any required inspection was not performed;
 - b. The date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. The dates the control measure(s) was (were) implemented; and
 - d. On a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

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

D. Reporting Requirements

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, that identify any of the following occurrences:
 - a. Each day during which an inspection was not performed by the required frequency; and
 - b. Each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. For a crusher, grinding mill, bucket elevator, bagging operations, or enclosed truck or railcar loading station:
 - i. The rated capacity, in tons per hour, of the existing facility being replaced, and

- ii. The rated capacity, in tons per hour, of the replacement equipment;
- b. For a conveyor belt:
 - i. The width of the existing belt being replaced, and
 - ii. The width of the replacement conveyor belt;
- c. For a screening operation:
 - i. The total surface area of the top screen of the existing screening operation being replaced, and
 - ii. The total surface area of the top screen of the replacement screening operation

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

4. The permittee shall submit annual reports that identify the amount of material processed through the feeder of this emissions unit, in tons per year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations specified in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
25.37 tons fugitive PE/year

Applicable Compliance Method:

The annual PE limitation was established by multiplying the sum of fugitive PE from the crushing, screening, and transfer operations associated with this emissions unit by the maximum hourly operating rate of 8760 hrs/year, and then dividing by 2000 lbs/ton.

The emission rate was determined as follows:

- i. For each crusher (2), multiply the appropriate emission factor from AP-42

of 0.0012 lb PE/ton processed (Chapter 11.19.2, revised 8/04) by the maximum hourly throughput of the crusher;

- ii. For each screen (3), multiply the appropriate emission factor from AP-42 of 0.0022 lb PE/ton processed (Chapter 11.19.2, revised 8/04) by the maximum hourly throughput of the screen; and
- iii. For each transfer point (20), multiply the appropriate emission factor from AP-42 of 0.00014 lb PE/ton processed (Chapter 11.19.2, revised 8/04) by the maximum hourly throughput of the transfer point.

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PE limitation will be assumed.

- b. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 3-minute average during loading operations of the feeder.

Applicable Compliance Method:

If required, compliance shall be demonstrated using Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

- c. Emission Limitation:
The permittee shall not cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

- d. Emission Limitation:
The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method:

If required compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A.

F. Miscellaneous Requirements

1. The terms and conditions of this permit shall supersede all of the air pollution control requirements contained in Permit to Install (PTI) application number 03-13154 which was issued on April 21, 1999 under the premise number 0374000010 for emissions unit F001.

