

Memorandum

Florida Department of Environmental Protection

TO: Michael G. Cooke

THROUGH: Trina L. Vielhauer *TV*
Cindy Phillips *CP*

FROM: Teresa Heron *TH*

DATE: June 10, 2004

SUBJECT: CSR Rinker Materials Corporation
Final Permit No. 0250014-012-AC Test Protocol

Attached is the construction permit package for the test protocol approval to the Rinker Cement Plant in Miami. A publicly noticed permit to conduct this test protocol (0250014-011-AC) was originally issued on January 16, 2004 with an expiration date of March 1, 2004. Rinker did not conduct the tests and let the permit expire.

Following the recent, unexpected, and acute shortage of cement in Florida, Rinker wishes to conduct the tests as soon as possible and follow up with a formal permit application for a permanent production rate increase.

Rinker will conduct a 60-day production capacity test program at the Miami Cement Plant. The recently constructed dry process kiln replaced two less efficient wet kilns in 2000 without significant increases in total emissions. Currently the plant is operating under Title V Operation Permit No. 0250014-003-AV. That permit limits the preheater feed rate to 220 tons per hour and the clinker production rate to 137 tons per hour on a 24-hour basis. Rinker will conduct short-term production capacity tests at higher production rates to determine the actual production capacity of the kiln system. The production rates will not exceed 260 tons per hour of material to the preheater or 162 tons per hour of clinker production on a 24-hour basis.

During the testing, the pound per hour emissions limits and all other requirements except production rates in the Title V permit will continue to apply. Rinker has continuous emission monitors for nitrogen oxides, sulfur dioxide, and total hydrocarbons. These will record most of the emission data during the production capacity test program.

Rinker will submit the production and emission results of the test program and a sealed engineering report describing any physical changes associated with a permanent increase and the technical rationale for uprating the kiln capacity. The Department will at that time make a determination regarding the applicability of New Source Review and will require a public notice prior to permanent authorization of a production increase.

We recommend your approval and signature.

TLV/th



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

June 10, 2004

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Ed Allsopp
Vice President of Cement Operations
CSR Rinker Materials Corporation
1200 Northwest 137th Avenue
Miami, Florida 33182

Re: DEP File No. 0250014-012-AC
Miami Cement Plant

Dear Mr. Allsopp:

Enclosed is one copy of the permit to conduct a production capacity test at the Miami Cement Plant. With the exception of the expiration date, it is identical to the publicly-noticed permit issued January 16, 2004 that recently expired.

This permitting decision is issued pursuant to Chapter 403, Florida Statutes. A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the

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address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542 F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2) F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

This permitting decision is final and effective on the date filed with the clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition pursuant to Rule 62-110.106, F.A.C., and the petition conforms to the content requirements of Rules 28-106.201 and 28-106.301, F.A.C. Upon timely filing of a petition or a request for extension of time, this order will not be effective until further order of the Department.

Any party to this permitting decision (order) has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida



Michael G. Cooke, Director
Division of Air Resources
Management

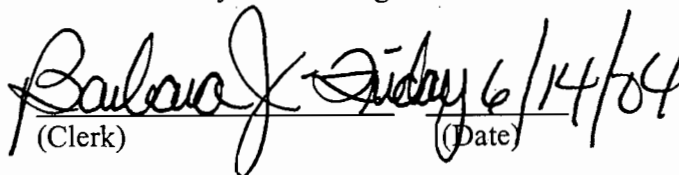
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this letter and the enclosed permit were sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 6/14/04 to the person(s) listed:

Ed Allsopp, VP, Rinker*
Mike Vardeman, Rinker
Scott Benyon, Rinker
H. Patrick Wong, Miami-Dade DERM
John Koogler, P.E., K&A

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk) Friday 6/14/04 (Date)

**U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)**

7001 1140 0002 1578 1376

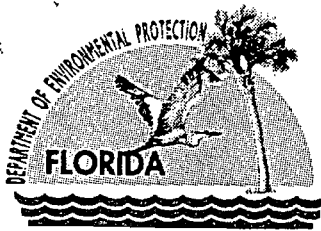
OFFICIAL USE
Mr. Ed Allsopp, Vice President of Cement Opr.

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To
Mr. Ed Allsopp, Vice President of Cement Opr.
Street, Apt. No., or PO Box No. 1200 Northwest 137th Avenue
City, State, ZIP+4 Miami, Florida 33182
 PS Form 3800, January 2001 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>W. J. G. Walker</p>
<p>1. Article Addressed to: Mr. Ed Allsopp Vice President of Cement Operations CSR Rinker Materials Corporation 1200 Northwest 137th Avenue Miami, Florida 33182</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7001 1140 0002 1578 1376</p>
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

PERMITTEE:

CSR Rinker Materials Corporation
Miami Cement Plant
1200 Northwest 137th Avenue
Miami, FL 33182

FID No.	0250014
SIC No.	3241
Permit No.	0250014-012-AC
Expires:	September 30, 2004

Authorized Representative:

Ed Allsopp, Vice-President of Cement Operations

PROJECT AND LOCATION:

This permit authorizes CSR Rinker to conduct a 60-day production capacity test at the Miami Cement Plant. The facility is located at 1200 Northwest 137th Avenue, Miami, Dade County. UTM coordinates are Zone 17; 558.20 km E ; 2851.20 km N.

STATEMENT OF BASIS:

This air pollution construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the production capacity test in accordance with the conditions of this permit and as described in the request. Apart from the increase in production during the test period and decrease in certain mass per unit of production limits, the permittee shall operate the facility in accordance with the previously approved drawings, plans, issued permits, and other documents on file with the Florida Department of Environmental Protection (DEP, or "the Department"). This permit supplements all other air construction and operation permits for the affected emissions units and does not alter any requirements from such previously issued air permits.

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- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Unit Specific Conditions
- Section 4. Appendices

Michael G. Cooke, Director
Division of Air Resources Management

6-11-04

(Date)

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SECTION 1. GENERAL INFORMATION
AIR CONSTRUCTION PERMIT MODIFICATION NO. 0250014-012-AC

FACILITY AND PROJECT DESCRIPTION

The currently permitted CSR Rinker Miami Cement Plant facility consists of the following: a quarry, limestone crushing system, material receiving facilities both by rail and truck, open short-term material storage piles, a storage building for intermediate raw material and clinker storage, a stone dryer, raw mill system, kiln feed slurry system, six finish mills, two packhouses, thirty two cement silos, a rail and truck bulk loadout facility, and a liquid fuel tank farm. In 1997-2000, the facility replaced the existing two wet process cement kilns and clinker coolers with a single dry-process kiln with pre-heater, precalciner and clinker cooler, capable of producing approximately 1,200,000 tons per year of clinker.

Currently the plant is operating under Title V Permit 0250014-003-AV, which limits the preheater feed rate to 220 tons per hour and the clinker production rate to 137 tons per hour; both on a 24-hour basis. Rinker will evaluate the feasibility of a future permanent clinker production rate increase by conducting a 60-day production capacity test. Rinker will test the pyroprocessing system at a preheater feed rate of 260 tons per hour and a clinker production rate to 162 tons per hour; both on a 24-hour basis. Existing permitted emission limits remain unchanged and in effect during testing.

EMISSION UNITS

This permit addresses the following emission unit system:

Emission Unit No.	Emission Unit Description
ARMS No. 018	Raw Mill, Dry Process Kiln with Preheater (PH) Precalciner (PC), and Clinker Cooler: Main stack

REGULATORY CLASSIFICATION

Title III: The Rinker Miami Cement Facility is also classified as a "Major Source" per 40 CFR 63.2, Definitions (adopted and incorporated by reference by the Department at Paragraph 62-204.800(11)(d)) because it consists of a group of stationary sources located within a contiguous area and under common control that emit or have the potential to emit considering controls, in the aggregate, 10 tons per year or more of any hazardous air pollutant or 25 tons per year or more of any combination of hazardous air pollutants. The facility is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, Code of Federal Regulations (CFR) Title 40, Part 63, Subpart LLL.

Title V: Because potential emissions of at least one regulated pollutant exceed 100 tons per year, the existing facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C. Regulated pollutants include pollutants such as carbon monoxide (CO), nitrogen oxides (NO_x), particulate matter (PM/PM₁₀), sulfur dioxide (SO₂), and volatile organic compounds (VOC).

Prevention of Significant Deterioration (PSD): This facility is located in an area (Dade County) designated as "attainment" for all criteria pollutants and maintenance area for Ozone (O₃). The facility is considered a "Portland Cement Plant," which is one of the 28 PSD source categories with the lower PSD applicability threshold of 100 tons per year (see Table 212.400-1, Rule 62 212.400, F.A.C.). Potential emissions of at least one regulated pollutant exceed 100 tons per year. Therefore, the facility is classified as a Major Facility with respect to Rule 62-212.400, F.A.C.

New Source Performance Standards (NSPS): The facility is subject to: 40 CFR 60 Subpart F, Standards of Performance for Portland Cement Plants; 40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation Plants; 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants; and 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984.

SECTION 1. GENERAL INFORMATION
AIR CONSTRUCTION PERMIT MODIFICATION NO. 0250014-012-AC

RELEVANT DOCUMENTS

The documents listed below are the basis of this permit. The permit application and additional information referenced are not a part of this permit, but the information is specifically related to this permitting action and the following documents are on file with the Department.

- Air Construction Permit 0250014-002-AC, issued September 11, 1997.
- Title V Operation Permit No. 0250014-003-AV, issued October 31, 2000.
- Air Construction Permits Nos. 0250014-007-AC and 0250014-008-AC (PSD-FL-324 issued March 1, 2002).
- Title V Operation Permit Revision No. 0250014-009-AV issued January 16, 2004.
- Air Construction Permit 0250014-010-AC issued November 5, 2003.
- Air Construction Permit 0250014-011-AC for a 60-day production capacity test issued on January 16, 2004 (expired).
- New application for a 60-day production capacity test received on June 4 (complete on June 10, 2004).

SECTION 2. ADMINISTRATIVE REQUIREMENTS
AIR CONSTRUCTION PERMIT MODIFICATION NO. 0250014-012-AC

1. Permitting Authority: All applications for permits to construct or modify an emission unit(s) subject to the Prevention of Significant Deterioration or Nonattainment (NA) review requirements should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (FDEP), 2600 Blainstone Road, Tallahassee, Florida 32399-2400 (phone number 850/488-0114). All documents related to applications for permits to operate and minor modifications shall be submitted to the Air Division of the Dade County Department of Environmental Resources Management (DERM), Suite 900, 33 Southwest Second Avenue, Miami, Florida 33130-1540 (phone number: 305/372-6925).
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Air Division of the Dade County Department of Environmental Resources Management (DERM), Suite 900, 33 Southwest Second Avenue, Miami, Florida 33130-1540 (phone number: 305/372-6925).
3. Appendices: The following Appendices are attached as part of this permit: Appendix CF (Citation Format) and Appendix GC (General Conditions).
4. Applicable Regulations, Forms, and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S., and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C. The terms used in this permit have specific meanings as defined in the applicable chapters of the F.A.C. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C., and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300, and 62-210.900, F.A.C.]
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Title V Permit: The scope of this temporary project is to develop information in support of a permanent project. A future request for permanent authorization to increase production would then require a revision to the Title V air operation permit. [Rule 62-213.400, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
AIR CONSTRUCTION PERMIT NO. 0250014-012-AC

This section of the permit addresses the following existing emissions units.

ARMS Emissions Unit No. 018	Maximum Test Rate
Kiln Preheater Feed Rate (kiln _{ph}) (TPH) on a 24-hour basis	260
Kiln Heat Input (MMBtu/hr) on a 24-hour basis	437
Clinker Production Rate (TPH) on a 24-hour basis	162
Cooler Throughput Rate (TPH) on a 24-hour basis	162

AUTHORIZATION

1. Relation to Other Permits: The conditions of this permit are in addition to those of any other air construction or operation permits. [Rules 62-4.210, 62-4.030, and 62-210.300(1)(b), F.A.C.]
2. Production Capacity Testing (60-day period) at Higher Production Rate: Subject to the conditions of this permit, the permittee is temporarily authorized to conduct a testing program to determine site specific emission characteristics and technical feasibility of increasing production in the No. 2 kiln system. Emission Unit No. 018 shall remain subject to the conditions of all existing permits related to air pollution and control equipment during the temporary testing program. [Rule 62-4.070(3), F.A.C.]
3. Expiration: The test shall occur over a 60 consecutive day period and shall end no later than September 30, 2004. Upon the expiration of this permit (September 30, 2004), permittee shall cease to operate at the production/process rates in excess of current Title V Operating Permit. [Rule 62-4.070(3), F.A.C.]
4. Schedule: Before the production capacity testing, the permittee shall submit to the Permitting and Compliance Authorities a preliminary schedule detailing the test protocol. The permittee shall submit updates to the test protocol and schedule as necessary. [Rule 62-4.070(3), F.A.C.]

PERFORMANCE RESTRICTIONS

5. Authorized Fuels: Subject to the conditions of this permit, the permittee is allowed to test at a higher production rate while using all authorized fuels. [Rule 62-4.070(3), F.A.C.]
6. Heat Input Rate: The maximum total heat input rate for the No. 2 kiln system remains at 437 MMBtu per hour. [Rule 62-4.070(3), F.A.C.]
7. Production Capacity Test Rates: During the production capacity test, the kiln clinker production rate shall not exceed 162 tons per hour (TPH) on a 24-hour basis as determined by material balance. During the production capacity test, the maximum preheater feed shall not exceed 260 TPH on a 24-hour basis. [Rule 62-210.200, F.A.C. (Definitions - Potential Emissions), Rule 62-4.070(3), F.A.C.]

EMISSIONS STANDARDS

8. Emissions Standards: This permit does not establish any new emissions standards for Kiln No. 2 system. The Kiln No. 2 system shall continue to comply with the requirements of all existing, valid Department permits during the production capacity test. [Rules 62-4.030, 62-4.070(3), and 62-210.300(1)(b), F.A.C.]
9. Fugitive Dust Emissions: The permittee shall continue to minimize emissions of unconfined PM from the storage and handling system as specified in permit 0250014-009-AV. This permit does not establish any new emissions standards for any other emission unit at this facility. [Rule 62-296.320(4)(c), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
AIR CONSTRUCTION PERMIT NO. 0250014-012-AC

TESTING AND MONITORING REQUIREMENTS

10. **Emissions Tests:** Within the electrical, structural, process, and mechanical capabilities of the kiln and within the previously permitted conditions, the permittee shall conduct tests (one for each pollutant) using the methods approved in the present Title V Operation Permit to determine actual NO_x, SO₂, CO, and PM/PM₁₀, VOC, acid mist, mercury, lead, THC, dioxin/furans and VE emissions while producing 147 ± 5 and 157 ± 5 tons of clinker per hour. Each NO_x, SO₂, CO, and PM/PM₁₀, VOC, acid mist, mercury, lead, THC, dioxin/furans and VE test shall consist of at least three, 1-hour test runs. CEMS data may be used to substitute for in stack tests provided that the instruments are in proper calibration pursuant to the requirements of the Title V Operation Permit. [Rule 62-4.070(3), F.A.C.]
11. **CEMS Data:** The permittee shall provide the Department with data disks containing all CEMS data and production data for the duration of the 60 day capacity test. The permittee shall provide a description to decipher and review the data. The data should indicate when the raw mill is on (compound operation) and when it is off. [Rule 62-4.070(3), F.A.C.]
12. **Monitoring:** During the 60-day test, the permittee shall continuously monitor and record all the required parameters stated in the existing construction/operation permits. [Rule 62-4.070(3), F.A.C.]
13. **Fuel Sampling:** During each required emission test, a representative fuel sample of each fuel of each fuel used shall be taken and analyzed for the following fuel properties: heating value (Btu/lb), moisture (% by weight), nitrogen (% by weight), sulfur (% by weight), ash (% by weight), and mercury (ppm by weight). [Rule 62-4.070(3), F.A.C.]
14. **Test Notification:** The permittee shall provide a 5-day advance notice of any scheduled stack tests to afford the Compliance Authority the opportunity to witness the tests. If unavoidable circumstances occur that would delay the stack tests, the permittee shall keep the Compliance Authority informed of the delays and the new schedule. [Rule 62-297.310(7)(a)9, F.A.C.]
15. **Test Methods:** Required tests shall be performed in accordance with the following reference test methods. The following methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. Other equivalent methods may be used only if written approval is obtained from the Bureau of Air Regulation prior to conducting the tests.

Method	Description
1 – 4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content <i>{Permitting note: Tests performed as necessary to support other methods.}</i>
5 or 201/201A	Particulate Matter (PM/PM10)
6C	Sulfur Dioxide (SO ₂)
8	Sulfuric Acid Mist (SAM)
7E	Nitrogen Oxides (NO _x)
10	Carbon Monoxide (CO)
29	Mercury (Hg), Lead (Pb)
9	Visible Emissions (VE)
25, 25 A or 18	Volatile Organic Compounds (VOC)

[Rules 62-204.800 and 62-297.100, F.A.C.; 40 CFR 60, Appendix A]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS
AIR CONSTRUCTION PERMIT NO. 0250014-012-AC

16. Operating Conditions. Emission testing shall be performed at the kiln/cooler main stack during a period when the kiln precalciner, cooler, raw mill and preheater are operating simultaneously and under normal operating conditions. [Rule 62-4.070(3), F.A.C.]

RECORDS AND REPORTS

17. Stack Test Reports: The permittee shall prepare and submit reports for all required stack tests in accordance with the requirements in Rule 62-297.310(8), F.A.C. All stack test data collected during the temporary testing program shall be submitted for review. For each test run, the report shall also indicate the information required by this permit. The permittee shall submit a written report that summarizes the results within 45 days of completing the stack tests. [Rule 62-297.310(8), F.A.C.]
18. Final Report: Within 90 days of the permit expiration date, the permittee shall submit a technical report summarizing the following: a description of the production capacity test; pollutant emissions when operating at higher rates; ambient conditions during each test; feed rates; and heat input rates. The final report shall also detail any operational problems as well as mechanical, electrical, structural, and process limitations identified during the course of the test. [Rule 62-4.070(3), F.A.C.]
19. Future Permit Requests: Any future applications for permanent production increases shall include an engineering report describing the full capability of the kiln to sustain the requested production rates while meeting proposed emission rates. The report shall be sealed by professional engineers or other experts as appropriate in structural, mechanical, electrical, process, and environmental disciplines. A single report from the kiln manufacturer would suffice to fulfill this requirement. [Rule 62-4.070(3), F.A.C.]

SECTION 4. APPENDICES
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Appendix A. Citation Formats
Appendix B. General Conditions

SECTION 4. APPENDIX A
CITATION FORMATS

The following examples illustrate the format used in the permit to identify applicable permitting actions and regulations.

REFERENCES TO PREVIOUS PERMITTING ACTIONS

Old Permit Numbers

Example: Permit No. AC50-123456 or Air Permit No. AO50-123456

Where: “AC” identifies the permit as an Air Construction Permit
“AO” identifies the permit as an Air Operation Permit
“123456” identifies the specific permit project number

New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: “099” represents the specific county ID number in which the project is located
“2222” represents the specific facility ID number
“001” identifies the specific permit project
“AC” identifies the permit as an air construction permit
“AF” identifies the permit as a minor federally enforceable state operation permit
“AO” identifies the permit as a minor source air operation permit
“AV” identifies the permit as a Title V Major Source Air Operation Permit

PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: “PSD” means issued pursuant to the Prevention of Significant Deterioration of Air Quality
“FL” means that the permit was issued by the State of Florida
“317” identifies the specific permit project

RULE CITATION FORMATS

Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

SECTION 4. APPENDIX B
GENERAL CONDITIONS

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
 - a. Have access to and copy and records that must be kept under the conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

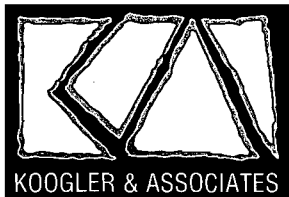
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of non-compliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida

SECTION 4. APPENDIX B
GENERAL CONDITIONS

- Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
 11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
 12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
 13. This permit also constitutes:
 - a. Determination of Best Available Control Technology (Not Applicable, covered in previous permits);
 - b. Determination of Prevention of Significant Deterioration (Not Applicable, covered in previous permits); and
 - c. Compliance with New Source Performance Standards (Not Applicable, covered in previous permits).
 14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - 1) The date, exact place, and time of sampling or measurements;
 - 2) The person responsible for performing the sampling or measurements;
 - 3) The dates analyses were performed;
 - 4) The person responsible for performing the analyses;
 - 5) The analytical techniques or methods used; and
 - 6) The results of such analyses.
 15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.



KOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 ■ FAX/377-7158

263-03-10
June 4, 2004

Via Email and USPS

RECEIVED

JUN 09 2004

BUREAU OF AIR REGULATION

Mr. Al Linero
FDEP
Twin Towers Office Bldg
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

Subject:: *Rinker Materials Corporation*
Miami Cement Plant, Miami, Florida
Permit No. 0250014-003-AV
Short-term Tests to Evaluate Kiln Production Capacity

Dear Al:

This letter will confirm our telephone conversation of June 3, 2004 regarding tests by the Rinker Materials Corporation (Rinker) to evaluate the feasibility of a clinker production rate increase at the Rinker Miami Cement Plant. As you are aware, Department approval for these tests was previously granted but, for operational reasons, Rinker was unable to conduct the tests. The company is now ready to proceed.

Currently, the plant is operating under Permit 0250014-003-AV, which limits the preheater feed rate to 220 tons per hour and the clinker production rate to 137 tons per hour; both on a 24-hour basis. Rinker would like to conduct short-term tests at higher production rates to determine the actual production capacity of the kiln system.

By this letter, I am requesting, on behalf of Rinker, Department approval to conduct kiln production rate tests for a 60-day period beginning with the approval of this request. During this test period, Rinker requests approval to operate the kiln system at a preheater feed rate up to 260 tons per hour. This corresponds to a clinker production rate of 162 tons per hour. The requested 260 ton per hour preheater feed rate limit represents an 18 percent increase over the currently permitted 24-hour average feed rate of 220 tons per hour.

The requested maximum test feed rate, representing an 18 percent increase over the permitted feed rate, is consistent with the rate increase recently demonstrated and permitted by Florida Rock Industries at the Thompson S. Baker Cement Plant in Newberry, Florida. At the Florida Rock plant, the permitted clinker production rate was 2300 tons per day (95.83 tons per hour). Testing demonstrated that the kiln system was capable of producing 2650 tons per day of clinker (110.2 tons per hour) on a 24-hour average basis with a peak clinker production of 115 tons per hour. These demonstrated production rate increases were permitted by the Department by Permit 0010087-006-AC/PSD-FL-228C.

The 110.2 ton per clinker production rate at the Florida Rock plant represents a 15 percent increase over the originally permitted rate, and the 115 ton per hour peak clinker production rate represents a 20 percent increase over the originally permitted rate. In the case of Rinker, the 260 ton per hour limit requested during the test period represents an 18 percent increase in feed rate over the presently permitted rate of 220 tons per hour.

As both the Rinker plant and the Florida Rock plant are modern dry process preheater/precalciner plants of the same vintage, it is reasonable to expect that the maximum production capacity of each plant will be approximately the same multiple of the guaranteed, and hence permitted, production rate. This would be expected even though the two plants were designed and constructed by different companies.

It should be noted that no physical construction to the kiln system will take place during the test period. The tests will be conducted strictly to determine the as-built capacity of the kiln system.

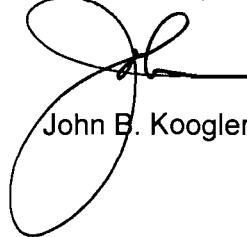
It should also be noted that during the requested tests, the emission limits permitted by Permit 0250014-008-AC will be complied with. These include the PM/PM10, SO₂, NO_x, CO, VOC, acid mist, mercury, lead, and visible emissions limits. The kiln, the clinker cooler, and the raw mill all exhaust through a common stack; therefore compliance with the aforementioned emission limits will assure that the entire kiln/cooler system remains in compliance. The compliance will be demonstrated by the continuous emission rate monitors for SO₂, NO_x, and VOC and the continuous opacity monitor.

Once the as-built capacity of the kiln system is established, Rinker will approach the Department and/or Miami/Dade County to amend the existing plant permit. At that point in time, the permitting details associated with the implementation of a rate increase can be discussed.

I appreciate your willingness to consider this matter again, and based on our telephone conversations, trust that approval for the requested tests can be granted in a relatively short time. If additional information is required to process this request, please do not hesitate to contact me.

Sincerely,

KOOGLER & ASSOCIATES



John B. Koogler, Ph.D., P.E.

JBK/ltt

cc: Scott Benyon
Mike Vardeman





Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

Air Operation Permit – Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revised/renewal Title V air operation permit.

Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)
– Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Rinker Materials Corporation	
2. Site Name: Miami Cement Plant	
3. Facility Identification Number: 0250014	
4. Facility Location...: Street Address or Other Locator: 1200 NW 137th Avenue City: Miami County: Miami-Dade Zip Code: 33182	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Steven C. Cullen, PE	
2. Application Contact Mailing Address... Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: Florida Zip Code: 32609	
3. Application Contact Telephone Numbers... Telephone: (352) 377-5822 ext. 19 Fax: (352) 377-7158	
4. Application Contact Email Address: <u>scullen@kooglerassociates.com</u>	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	6-9-04
2. Project Number(s):	0250014-012-AC
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

APPLICATION INFORMATION

Purpose of Application

This application for air permit is submitted to obtain: (Check one)

Air Construction Permit

Air construction permit.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

**Air Construction Permit and Revised/Renewal Title V Air Operation Permit
(Concurrent Processing)**

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

Request for production rate increase test period.

APPLICATION INFORMATION

Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name: Ed Allsopp - Vice-President of Cement Operations
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Rinker Materials Corporation Street Address: 1200 NW 137th Avenue City: Miami State: Florida Zip Code: 33182
3. Owner/Authorized Representative Telephone Numbers... Telephone: (305) 229-2951 Fax: (305) 229-8015
4. Owner/Authorized Representative Email Address:
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</i> _____ Signature _____ Date

APPLICATION INFORMATION

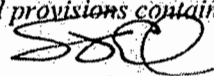
Application Responsible Official Certification

Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: AC only, see Authorized Representative
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
4. Application Responsible Official Telephone Numbers... Telephone: () - ext. Fax: () -
5. Application Responsible Official Email Address:
6. Application Responsible Official Certification: <i>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</i> Signature _____ Date _____

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, PE Registration Number: 45188
2. Professional Engineer Mailing Address... Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: Florida Zip Code: 32609
3. Professional Engineer Telephone Numbers... Telephone: (352) 377-5822 ext. 19 Fax: (352) 377-7158
4. Professional Engineer Email Address: scullen@kooglerassociates.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  _____ Signature _____ Date 6/9/2004 (seal)

* Attach any exception to certification statement.

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 1140 0002 1578 1376

OFFICIAL USE
 Mr. Ed Allsopp, Vice President of Cement Opr.

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	


Sent To
 Mr. Ed Allsopp, Vice President of Cement Opr.
 Street, Apt. No.;
 or PO Box No. 1200 Northwest 137th Avenue
 City, State, ZIP+4
 Miami, Florida 33182
 PS Form 3800, January 2001 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 Mr. Ed Allsopp
 Vice President of Cement Operations
 CSR Rinker Materials Corporation
 1200 Northwest 137th Avenue
 Miami, Florida 33182

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Agent
 Addressee

B. Received by (Printed Name)
 Ed Allsopp

C. Date of Delivery

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number
 (Transfer from service label) 7001 1140 0002 1578 1376



KOUGLER & ASSOCIATES

ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 ■ FAX/377-7158

263-03-10
June 4, 2004

Via Email and USPS

Mr. Al Linero
FDEP
Twin Towers Office Bldg
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

**Subject:: *Rinker Materials Corporation
Miami Cement Plant, Miami, Florida
Permit No. 0250014-003-AV
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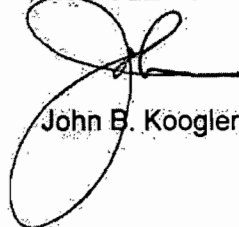
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Sincerely,

KOOGLER & ASSOCIATES



John B. Koogler, Ph.D., P.E.

JBK/lt

cc: Scott Benyon
Mike Vardeman



CSR Rinker Files
0250014-012-AC

Permitting Application - DARM Query Permit

Query Results

Permit # 0250014-001-AO PATS ID Issued 10/12/1993 Expires 10/12/1998

Proj# / Name	Owner/Company	Type	Sub	Received
001 / CEMENT MILL (AO13-234584)	RINKER MATERIALS CORPORATION.	AO	1A	07/16/1993
002 / CEMENT FACILITY MODERNIZATION	RINKER MATERIALS CORPORATION.	AC	1B	12/04/1996
003 / TITLE V CEMENT DIVISION	RINKER MATERIALS CORPORATION.	AV	00	06/19/1996
004 / AMEND. A013234126/AC13187599A	RINKER MATERIALS CORPORATION.	AC	1F	01/29/1997
005 / NEW CONST. USE OF WASTE OIL	RINKER MATERIALS CORPORATION.	AC	1D	06/19/1997
006 / RINKER REVISION REQUEST	RINKER MATERIALS CORPORATION.	AC	M1	11/12/1997
007 / CSR RINKER MATERIALS CORP.	RINKER MATERIALS CORPORATION.	AC	M1	05/21/2001
008 / RINKER MATERIALS CORPORATION	RINKER MATERIALS CORPORATION.	AC	1A	11/19/2001
009 / RINKER TITLE V REVISION	RINKER MATERIALS CORPORATION.	AV	02	11/30/2001
010 / AC TO INCREASE RATES/EMISSIONS	RINKER MATERIALS CORPORATION.	AC	1F	02/26/2002
011 / CSR RINKER MATERIALS CORP.	RINKER MATERIALS CORPORATION.	AC	M1	11/26/2003
/ KOHIGSBURG, DALE A.	RINKER MATERIALS CORPORATION.	AO	99	08/17/1983
/ RINKER MATERIAL CORP. DIST.EQU	RINKER MATERIALS CORPORATION.	AO	99	11/19/1984
/ RINKER PORTLAND CEMENT-PROD.EQ	RINKER MATERIALS CORPORATION.	AO	99	11/19/1984

011-AC Issued 1/16/04 Expired 3/1/04



KOUGLER & ASSOCIATES
ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 ■ FAX/377-7158

263-03-10
June 4, 2004

Via Email and USPS

Mr. Al Linero
FDEP
Twin Towers Office Bldg
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

Subject:: Rinker Materials Corporation
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Currently the plant is operating under Permit 0250014-003-AV, which limits the preheater feed rate to 220 tons per hour and the clinker production rate to 137 tons per hour; both on a 24-hour basis. Rinker would like to conduct short-term tests at higher production rates to determine the actual production capacity of the kiln system.

By this letter, I am requesting, on behalf of Rinker, Department approval to conduct kiln production rate tests for a 60-day period beginning with the approval of this request. During this test period, Rinker requests approval to operate the kiln system at a preheater feed rate up to 260 tons per hour. This corresponds to a clinker production rate of 162 tons per hour. The requested 260 ton per hour preheater feed rate limit represents an 18 percent increase over the currently permitted 24-hour average feed rate of 220 tons per hour.

The requested maximum test feed rate, representing an 18 percent increase over the permitted feed rate, is consistent with the rate increase recently demonstrated and permitted by Florida Rock Industries at the Thompson S. Baker Cement Plant in Newberry, Florida. At the Florida Rock plant, the permitted clinker production rate was 2300 tons per day (95.83 tons per hour). Testing demonstrated that the kiln system was capable of producing 2650 tons per day of clinker (110.2 tons per hour) on a 24-hour average basis with a peak clinker production of 115 tons per hour. These demonstrated production rate increases were permitted by the Department by Permit 0010087-006-AC/PSD-FL-228C.

The 110.2 ton per clinker production rate at the Florida Rock plant represents a 15 percent increase over the originally permitted rate, and the 115 ton per hour peak clinker production rate represents a 20 percent increase over the originally permitted rate. In the case of Rinker, the 260 ton per hour limit requested during the test period represents an 18 percent increase in feed rate over the presently permitted rate of 220 tons per hour.

As both the Rinker plant and the Florida Rock plant are modern dry process preheater/precalciner plants of the same vintage, it is reasonable to expect that the maximum production capacity of each plant will be approximately the same multiple of the guaranteed, and hence permitted, production rate. This would be expected even though the two plants were designed and constructed by different companies.

It should be noted that no physical construction to the kiln system will take place during the test period. The tests will be conducted strictly to determine the as-built capacity of the kiln system.

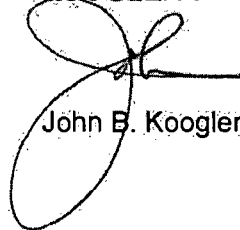
It should also be noted that during the requested tests, the emission limits permitted by Permit 0250014-008-AC will be complied with. These include the PM/PM10, SO₂, NO_x, CO, VOC, acid mist, mercury, lead, and visible emissions limits. The kiln, the clinker cooler, and the raw mill all exhaust through a common stack; therefore compliance with the aforementioned emission limits will assure that the entire kiln/cooler system remains in compliance. The compliance will be demonstrated by the continuous emission rate monitors for SO₂, NO_x, and VOC and the continuous opacity monitor.

Once the as-built capacity of the kiln system is established, Rinker will approach the Department and/or Miami/Dade County to amend the existing plant permit. At that point in time, the permitting details associated with the implementation of a rate increase can be discussed.

I appreciate your willingness to consider this matter again, and based on our telephone conversations, trust that approval for the requested tests can be granted in a relatively short time. If additional information is required to process this request, please do not hesitate to contact me.

Sincerely,

KOOGLER & ASSOCIATES



John B. Koogler, Ph.D., P.E.

JBK/llt

cc: Scott Benyon
Mike Vardeman



263-03-10
November 20, 2003

Via Email and USPS

Mr. Al Linero
FDEP
Twin Towers Office Bldg
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

**Subject:: Rinker Materials Corporation
Miami Cement Plant, Miami, Florida
Permit No. 0250014-003-AV
Short-term Tests to Evaluate Kiln Production Capacity**

Dear Al:

This letter will confirm our recent telephone conversations regarding tests by the Rinker Materials Corporation (Rinker) to evaluate the feasibility of a clinker production rate increase at the Rinker Miami Cement Plant. Currently the plant is operating under Permit 0250014-003-AV, which limits the preheater feed rate to 220 tons per hour and the clinker production rate to 137 tons per hour; both on a 24-hour basis. Rinker would like to conduct short-term tests at higher production rates to determine the actual production capacity of the kiln system.

By this letter, I am requesting, on behalf of Rinker, Department approval to conduct kiln production rate tests for a 60-day period beginning with the approval of this request. During this test period, Rinker requests approval to operate the kiln system at a preheater feed rate up to 260 tons per hour. This corresponds to a clinker production rate of 162 tons per hour. The requested 260 ton per hour preheater feed rate limit represents an 18 percent increase over the currently permitted 24-hour average feed rate of 220 tons per hour.

The requested maximum test feed rate of 260 tons per hour, representing an 18 percent increase over the permitted feed rate, is consistent with the rate increase recently demonstrated and permitted by Florida Rock Industries at the Thompson S. Baker Cement Plant in Newberry, Florida. At the Florida Rock plant, the permitted clinker production rate was 2300 tons per day (95.83 tons per hour). Testing demonstrated that the kiln system was capable of producing 2650 tons per day of clinker (110.2 tons per hour) on a 24-hour average basis with a peak clinker production of 115 tons per hour. These demonstrated production rate increases were permitted by the Department by Permit 0010087-006-AC/PSD-FL-228C.

The 110.2 ton per clinker production rate averaged over 24 hours represents a 15 percent increase over the originally permitted rate, and the 115 ton per hour peak clinker production rate represents a 20 percent increase over the originally permitted rate. In the case of

Rinker, the 260 ton per hour limit requested during the test period represents an 18 percent increase in feed rate over the presently permitted rate of 220 tons per hour.

As both the Rinker plant and the Florida Rock plant are modern dry process preheater/precalciner plants of the same vintage, it is reasonable to expect that the maximum production capacity of each plant will be approximately the same multiple of the guaranteed, and hence permitted, production rate. This would be expected even though the two plants were designed and constructed by different companies. This is the rationale used for establishing the upper preheater feed rate limit of 260 tons per hour for the requested test period.

It should be noted that no physical construction will take place during the test period. The tests will be conducted strictly to determine the as-built capacity of the kiln system.

It should also be noted that during the requested tests at higher production rates, the emission limits permitted by Permit 0250014-008-AC will be complied with. These limits include the PM/PM10, SO₂, NO_x, CO, VOC, acid mist, mercury, lead, and visible emissions limits. The kiln, the clinker cooler, and the raw mill all exhaust through a common stack; therefore compliance with the aforementioned emission limits will assure that the entire kiln/cooler system remains in compliance. The compliance will be demonstrated by the continuous emission rate monitors for SO₂, NO_x, and VOC and the continuous opacity monitor.

Once the as-built capacity of the kiln system is established, Rinker will approach the Department and/or Miami/Dade County to amend the existing plant permit. At that point in time, the permitting details associated with the implementation of a rate increase can be discussed.

I appreciate your willingness to discuss this matter, and based on our telephone conversations, trust that approval for the requested tests can be granted in a relatively short time. If additional information is required to process this request, please do not hesitate to contact me.

Sincerely,

KOOGLER & ASSOCIATES

John B. Koogler, Ph.D., P.E.

JBK/ilt

cc: Scott Benyon
Mike Vardeman



Letter of Transmittal

DATE:	June 9, 2004	PROJECT NO:	263-03-10
TO:	Ms. Teresa Heron		
REGARDING:			
Rinker Materials			

WE ARE FORWARDING TO YOU THE FOLLOWING:

Copies	Description
1	Application for Air Permit - 6 pages

THESE ARE TRANSMITTED BY:

<input type="checkbox"/> REGULAR MAIL	<input type="checkbox"/> DELIVERED
<input checked="" type="checkbox"/> OVERNIGHT	<input type="checkbox"/> CLIENT PICK UP
<input type="checkbox"/> 2 DAY	<input checked="" type="checkbox"/> EMAIL: <u>teresa.heron@dep.state.fl.us</u>

REMARKS:

A hard copy will follow by UPS overnight delivery.

cc: File SIGNED: Lori Toyota, Office Manager



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

Air Operation Permit – Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revised/renewal Title V air operation permit.

Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)
– Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of Facility:

1. Facility Owner/Company Name: Rinker Materials Corporation	
2. Site Name: Miami Cement Plant	
3. Facility Identification Number: 0250014	
4. Facility Location...: Street Address or Other Locator: 1200 NW 137th Avenue City: Miami County: Miami-Dade Zip Code: 33182	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Steven C. Cullen, PE	
2. Application Contact Mailing Address... Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: Florida Zip Code: 32609	
3. Application Contact Telephone Numbers... Telephone: (352) 377-5822 ext. 19 Fax: (352) 377-7158	
4. Application Contact Email Address: scullen@kooglerassociates.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Project Number(s):	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

APPLICATION INFORMATION

Purpose of Application

This application for air permit is submitted to obtain: (Check one)

Air Construction Permit

Air construction permit.

Air Operation Permit

Initial Title V air operation permit.

Title V air operation permit revision.

Title V air operation permit renewal.

Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.

Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)

Air construction permit and Title V permit revision, incorporating the proposed project.

Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

Request for production rate increase test period.

APPLICATION INFORMATION

Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name: Ed Allsopp - Vice-President of Cement Operations
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Rinker Materials Corporation Street Address: 1200 NW 137th Avenue City: Miami State: Florida Zip Code: 33182
3. Owner/Authorized Representative Telephone Numbers... Telephone: (305) 229-2951 Fax: (305) 229-8015
4. Owner/Authorized Representative Email Address:
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</i> _____ Signature _____ Date

APPLICATION INFORMATION

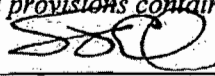
Application Responsible Official Certification

Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: AC only, see Authorized Representative
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
4. Application Responsible Official Telephone Numbers... Telephone: () - ext. Fax: () -
5. Application Responsible Official Email Address:
6. Application Responsible Official Certification: <i>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</i> _____ Signature _____ Date

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, PE Registration Number: 45188
2. Professional Engineer Mailing Address... Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: Florida Zip Code: 32609
3. Professional Engineer Telephone Numbers... Telephone: (352) 377-5822 ext. 19 Fax: (352) 377-7158
4. Professional Engineer Email Address: scullen@kooglerassociates.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  _____ Signature _____ Date (seal)

* Attach any exception to certification statement.

Permitting Application - Permit Detail and Log Permit										
POINT		AIRS ID	0250014	STATUS	A	OFFICE	SEDA	SE: DADE		
SITE NAME		MIAMI CEMENT PLANT				COUNTY				MIAMI-DADE
OWNER/COMPANY RINKER MATERIALS CORPORATION.										
Project					Project #					010
AIR Permit #	0250014	-	010	AC	Agency Action		Issued			
Permit Office	SEDA (OFFICE)				Agency Action					Issued
Project Name	AC TO INCREASE RATES/EMISSIONS		Desc							Permit to increase process rates for Finish Mills 1,2,3 and increase s
Type/Sub/Des	AC	1F	Source less than 5 tpy \$250				Logged		03/07/2002	
Received	02/26/2002		Issued	11/05/2003		Expires	12/05/2003		OGC	
Fee	250.00		Fee Recd			Date			Override	
Related Party										
Role	APPLICANT			Begin	03/07/2002		End			
Name	ALLSOP, ED				Company	RINKER MATERIALS CORP.				
Address	1200 NW 137TH AVENUE									
City	MIAMI			State	FL		Zip	33182		
Country	U.S.A.									
Phone	305-229-2951		Fax	305-229-8015						
Processors										
Processor	GARCIA_M			Y	Active	03/07/2002		Inactive		
									Events	



DEPARTMENT OF ENVIRONMENTAL PROTECTION

Air Permit Search

Last Updated: 01/28/02

[Help](#)

Facilities To Show [First](#) [Next](#)

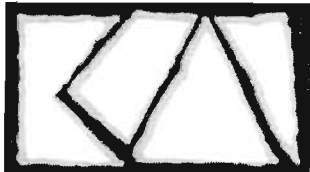
Owner/Company Name	Site Name	City	SIC				
RINKER MATERIALS CORPORATION.	MIAMI CEMENT PLANT	MIAMI	3241				
Permit Number	Permit Activity	Issue Date	Expiration Date	Posting Date	Permit Status	Project Documents	Permit Application
0250014-009-AV	PERMIT REVISION	<u>1/16/2004</u>	10/30/2005	12/1/2003	PROPOSED	Zip File	Summary
0250014-008-AC	CONSTRUCTION	3/1/2002	3/31/2002	7/18/2003	<u>FINAL</u>	Zip File	Summary
0250014-003-AV	INITIAL ISSUANCE	10/31/2000	10/30/2005	11/7/2000	<u>FINAL</u>	Zip File	Summary

Facilities to show [First](#) [Next](#)

Search Results: 3 Permits Found as of 6/10/2004 10:12:54 AM

Last Updated: 01/29/04

Permitting Application - Permit Detail and Log Permit										
POINT		AIRS ID	0250014	STATUS	A	OFFICE	SEDA	SE: DADE		
SITE NAME		MIAMI CEMENT PLANT				COUNTY	MIAMI-DADE			
OWNER/COMPANY RINKER MATERIALS CORPORATION.										
Project										
AIR Permit #	0250014	011	AC	Project #	011	CRA Reference #				
Permit Office	TAL (HEADQUARTERS)				Agency Action	Issued				
Project Name	CSR RINKER MATERIALS CORP.			Desc	short-term tests to evaluate kiln production capacity					
Type/Sub/Des	AC	M1	Minor Modification			Logged	12/03/2003			
Received	11/26/2003		Issued	01/16/2004		Expires	03/01/2004		OGC	
Fee	0.00		Fee Recd			Dele			Override	TITLE V
Related Party										
Role	APPLICANT			Begin	12/03/2003		End			
Name	KOOGLER, JOHN B.				Company	KOOGLER & ASSOCIATES				
Address	4014 NW 13TH ST									
City	GAINESVILLE			State	FL	Zip	32609		Country	
Phone	352-377-5822		Fax	352-377-7158						
Processors										
Processor	HERON_T			Y	Active	11/26/2003		Inactive		Events



KOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET
 GAINESVILLE, FLORIDA 32609
 352/377-5822 • FAX 377-7158

RECEIVED

JUN 10 2004

Letter of Transmittal

BUREAU OF AIR REGULATION

DATE:	June 9, 2004	PROJECT NO:	263-03-10
TO:	Ms. Teresa Heron		
REGARDING:			
Rinker Materials			

WE ARE FORWARDING TO YOU THE FOLLOWING:

Copies	Description
1	Application for Air Permit - 6 pages

THESE ARE TRANSMITTED BY:

<input type="checkbox"/> REGULAR MAIL	<input type="checkbox"/> DELIVERED
<input checked="" type="checkbox"/> OVERNIGHT	<input type="checkbox"/> CLIENT PICK UP
<input type="checkbox"/> 2 DAY	<input checked="" type="checkbox"/> EMAIL: <u>teresa.heron@dep.state.fl.us</u>

REMARKS:

A hard copy will follow by UPS overnight delivery.

cc: File SIGNED: Lori Toyota, Office Manager

lt

APPLICATION INFORMATION

Purpose of Application

This application for air permit is submitted to obtain: (Check one)

Air Construction Permit

Air construction permit.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

Request for production rate increase test period.

APPLICATION INFORMATION

Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name: Ed Allsopp - Vice-President of Cement Operations
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Rinker Materials Corporation Street Address: 1200 NW 137th Avenue City: Miami State: Florida Zip Code: 33182
3. Owner/Authorized Representative Telephone Numbers... Telephone: (305) 229-2951 Fax: (305) 229-8015
4. Owner/Authorized Representative Email Address:
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit.</i> _____ Signature _____ Date

APPLICATION INFORMATION

Application Responsible Official Certification

Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

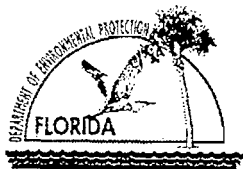
1. Application Responsible Official Name: AC only, see Authorized Representative
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source.
3. Application Responsible Official Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
4. Application Responsible Official Telephone Numbers... Telephone: () - ext. Fax: () -
5. Application Responsible Official Email Address:
6. Application Responsible Official Certification: <i>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</i> _____ Signature _____ Date

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, PE Registration Number: 45188
2. Professional Engineer Mailing Address... Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: Florida Zip Code: 32609
3. Professional Engineer Telephone Numbers... Telephone: (352) 377-5822 ext. 19 Fax: (352) 377-7158
4. Professional Engineer Email Address: <u>scullen@kooglerassociates.com</u>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i> Signature: _____ Date: <u>6/9/2004</u> (seal) NO. 45188

* Attach any exception to certification statement.



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

RECEIVED

JUN 10 2004

BUREAU OF AIR REGULATION

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

Air Operation Permit – Use this form to apply for:

- an initial federally enforceable state air operation permit (FESOP); or
- an initial/revised/renewal Title V air operation permit.

Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)

– Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Rinker Materials Corporation	
2. Site Name: Miami Cement Plant	
3. Facility Identification Number: 0250014	
4. Facility Location...: Street Address or Other Locator: 1200 NW 137th Avenue City: Miami County: Miami-Dade Zip Code: 33182	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Steven C. Cullen, PE	
2. Application Contact Mailing Address... Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: Florida Zip Code: 32609	
3. Application Contact Telephone Numbers... Telephone: (352) 377-5822 ext. 19 Fax: (352) 377-7158	
4. Application Contact Email Address: <u>scullen@kooglerassociates.com</u>	

Application Processing Information (DEP Use)

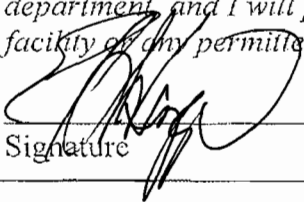
1. Date of Receipt of Application:	
2. Project Number(s):	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

APPLICATION INFORMATION**Purpose of Application****This application for air permit is submitted to obtain: (Check one)****Air Construction Permit** Air construction permit.**Air Operation Permit** Initial Title V air operation permit. Title V air operation permit revision. Title V air operation permit renewal. Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required. Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.**Air Construction Permit and Revised/Renewal Title V Air Operation Permit
(Concurrent Processing)** Air construction permit and Title V permit revision, incorporating the proposed project. Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

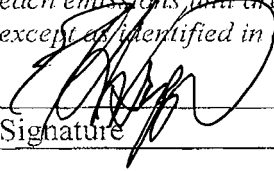
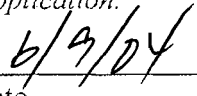
 I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.**Application Comment****Request for production rate increase test period.**

APPLICATION INFORMATION**Owner/Authorized Representative Statement****Complete if applying for an air construction permit or an initial FESOP.**

1. Owner/Authorized Representative Name: Ed Allsopp - Vice-President of Cement Operations
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Rinker Materials Corporation Street Address: 1200 NW 137th Avenue City: Miami State: Florida Zip Code: 33182
3. Owner/Authorized Representative Telephone Numbers... Telephone: (305) 229-2951 Fax: (305) 229-8015
4. Owner/Authorized Representative Email Address:
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other requirements identified in this application to which the facility is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility of any permitted emissions unit.</i> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <hr style="width: 200px; margin: 0 auto;"/> Signature </div> <div style="text-align: center;"> <div style="font-size: 2em; font-family: cursive;">6/9/04</div> <hr style="width: 100px; margin: 0 auto;"/> Date </div> </div>

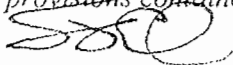
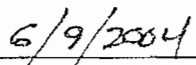
APPLICATION INFORMATION**Application Responsible Official Certification**

Complete if applying for an initial/revised/renewal Title V permit or concurrent processing of an air construction permit and a revised/renewal Title V permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: AC only, see Authorized Representative			
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable):			
<input type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C.			
<input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively.			
<input type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official.			
<input type="checkbox"/> The designated representative at an Acid Rain source.			
3. Application Responsible Official Mailing Address...			
Organization/Firm:			
Street Address:			
City:	State:	Zip Code:	
4. Application Responsible Official Telephone Numbers...			
Telephone: ()	-	ext.	Fax: () -
5. Application Responsible Official Email Address:			
6. Application Responsible Official Certification:			
<p><i>I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.</i></p>			
 _____ Signature			 _____ Date

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, PE Registration Number: 45188
2. Professional Engineer Mailing Address... Organization/Firm: Koogler & Associates Street Address: 4014 NW 13th Street City: Gainesville State: Florida Zip Code: 32609
3. Professional Engineer Telephone Numbers... Telephone: (352) 377-5822 ext. 19 Fax: (352) 377-7158
4. Professional Engineer Email Address: <u>scullen@kooglerassociates.com</u>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <i>(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i> <i>(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i> <i>(3) If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i> <i>(4) If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i> <i>(5) If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i>  _____ Signature  _____ Date (seal)

* Attach any exception to certification statement.