



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

October 13, 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. 0250014-017-AC
Extension of Permit 0250014-014-AC
Production Capacity Testing - Miami Cement Plant

Dear Mr. Allsopp:

The Department received your request, submitted through Koogler and Associates, to modify the recently issued permit to conduct a production capacity test at the Miami Cement Plant.

A publicly noticed permit to conduct this test protocol (DEP File No. 0250014-014-AC) was issued on September 2, 2004 with an expiration date of October 31, 2004. According to the current request, Rinker experienced storm related delays and requests an extension until December 31, 2004 to finish testing and to develop the technical reports required by this permit.

The technical reports are needed to complete the separate application (DEP File No. 0250014-016) submitted to the Department for a permanent production increase.

The modification to extend the production capacity test is acceptable to the Department. Section 3, Specific Condition 3 is hereby modified as follows:

3. Expiration: The test to evaluate continuous production capacity shall end no later than December 31, 2004. Upon the expiration of this permit (December 31, 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.]

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

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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 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.

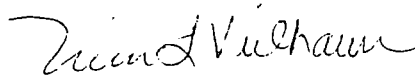
The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2) F.S., and that the purpose of the underlying statute will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



Trina L. Vielhauer, Chief
Bureau of Air Regulation

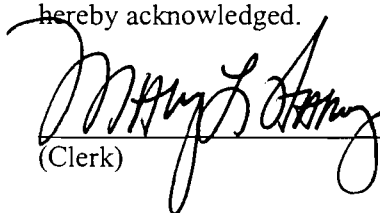
CERTIFICATE OF SERVICE

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 10/13/04 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)

10/13/04
(Date)

Best Available Copy

SENDER: COMPLETE

ON DELIVERY

- Complete items 1, 2, and 3, and item 4 if Restricted Delivery.
- 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.

A. Signature Agent
 Addressee

B. Received by (Printed Name) C. Date of Delivery
 SHARLOO PEDUICORE 10/15/04

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

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

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 7000 1670 0013 3109 8673
 (Transfer from service label)

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

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

OFFICIAL USE

7000 1670 0013 3109 8673

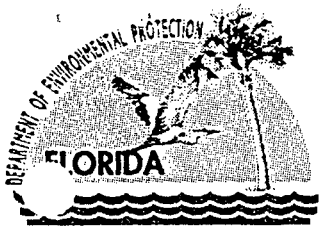
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Send To
 Mr. Ed Allsopp, V.P. of Cement Operat.
 CSR Rinker Materials Corporation
 1200 Northwest 137th Avenue
 Miami, Florida 33182

PS Form 3800, May 2000

See Reverse for Instructions



Jeb Bush
Governor

Department of Environmental Protection

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2600 Blair Stone Road
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October 13, 2004

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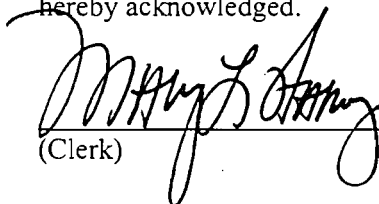
CERTIFICATE OF SERVICE

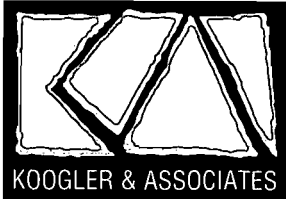
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Clerk Stamp

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(Clerk) 10/13/04
(Date)



KOOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES

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

263-03-10
October 8, 2004

VIA UPS

RECEIVED

OCT 11 2004

BUREAU OF AIR REGULATION

Mr. Al Linero
FDEP
111 S. Magnolia Drive, Ste. 23
Tallahassee, FL 32301

**Subject: Rinker Materials Corporation
Miami Cement Plant, Miami, Florida
FDEP Permit No. 0250014-014-AC
Production Capacity Test**

Dear Al:

In accordance with our telephone conversation on this date, I am hereby requesting that the above captioned Air Construction Permit issued to the Rinker Materials Corporation (Rinker) on September 2, 2004 be extended through December 31, 2004. The purpose of the Air Construction Permit was to allow Rinker to evaluate the feasibility of a clinker production rate increase by conducting a production capacity test. This request to extend the duration of the test period through December 31, 2004 involves no change to any of the conditions of the above captioned permit.

A letter to you and Trina Vielhauer from me dated August 5, 2004 and the appropriate sections of an application for an Air Construction Permit following on August 9, 2004 represented the basis for the issuance of the above captioned permit. Our August 9, 2004 submittal also included a summary of emission data collected on or about July 14, 2004 demonstrating that the Rinker Miami Cement Plant could operate at a production rate greater than originally permitted while still complying with all of the permitted emission limiting standards. The approval to operate at an increased production rate during the July 14th preliminary test period was granted by the Department on June 10, 2004 as Air Construction Permit 0250014-012-AC. That permit was issued pursuant to an application submitted to you by Koogler and Associates on June 4 and 9, 2004. Information in that application further described the production rate tests.

The above captioned permit authorizes a preheater feed rate of 260 tons per hour and a clinker production rate of 162 tons per hour. Rinker has successfully operated the plant at a preheater feed rate of approximately 245 tons per hour and a clinker production rate of approximately 147 tons per hour; however, the planned test schedule was dramatically affected by the severe weather experienced in the State of Florida during August and September. The rate at which Rinker operated are approximately 94 and 91 percent of the maximum feed and production rates respectively, authorized by the above captioned permit. As we discussed, Rinker would like to continue the tests at higher production rates with a goal of achieving the maximum rates authorized by this permit. This will be accomplished by refinements to the preheater feed mix, adjustments in the raw mill affecting the coarseness of the feed, and refinements in plant operations. In part because of the storm related delays and in part to continue to develop data requested by the Department, Rinker is requesting that the above captioned permit be extended to allow operations at the presently authorized rates through December 31, 2004.

In support of this request and as required by the above captioned permit, I am submitting with this request the results of emission measurements conducted during the period August 4-7, 2004. Attached to this letter of request (in addition to complete copies of the reports) are summary pages from the reports documenting measured emission rates in compliance with originally permitted emission limiting standards. These emission measurements were conducted with the plant operating at a preheater feed rate in the range of 245 tons per hour (compared with a maximum authorized feed rate of 260 tons per hour).

The emission measurements are for:

- Carbon monoxide
- Sulfur dioxide
- Nitrogen oxides
- Methane
- Non-methane hydrocarbons
- Particulate matter
- Sulfuric acid mist
- Lead
- Mercury
- Dioxins/furans.

As previously stated, these data demonstrate compliance with originally permitted emission limiting standards while operating at a preheater feed rate of approximately 94 percent of the maximum authorized rate.

If there are any questions regarding this request for extension or if further information is required, please do not hesitate to contact me at 352-377-5822 or jkoogler@kooglerassociates.com.

Sincerely,

KOOGLER & ASSOCIATES



John B. Koogler, Ph.D., P.E.
Florida Registration Number 12925

JBK/lt

cc: Trina Vielhauer
Scott Benyon
Mike Vardeman



Emission Test Summary

August 4-7, 2004

Rinker Miami Cement Plant

Table 6**CO, SO₂, NO_x, CH₄, and NMHC Emissions Test**

Summary of Operating Conditions CSR Rinker Materials Miami, Florida Cement Kiln / Raw Mill August 5, 2004						
Run No.	Preheater Feed Rate (Ton/Hr)	Clinker Production (Ton/Hr)	Stack Gas Conditions			
			Flow (dscfm)	Flow (scfm,wet)	Temp. (F)	Moisture (%)
1	245.5	147.4	262708	298532	291	12.0
2	245.5	147.4	256008	292247	301	12.4
3	245.5	147.4	223597	259093	267	13.7
Ave.>	245.5	147.4	247438	283290	286	12.7

Summary of Emissions for CO, SO ₂ , NO _x , CH ₄ , and NMHC CSR Rinker Materials Miami, Florida Cement Kiln / Raw Mill August 5, 2004										
Run No.	Carbon Monoxide		Sulfur Dioxide		Nitrogen Oxides		Methane(1)(3)		NMHC(2)(3)	
	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)
1	216	247	2.79	7.3	186	349	2.42	1.8	6.66	13.7
2	232	259	0.00	0.0	166	304	2.30	1.7	7.27	14.6
3	247	241	2.54	5.7	239	384	2.37	1.5	6.62	11.8
Ave.>	232	249	1.78	4.3	197	346	2.36	1.7	6.85	13.4

- (1) As Methane
(1) As Propane
(2) Wet Basis

Table 4

Summary of Source Particulate Matter Emission Test Data

Rinker Materials

Cement Kiln, Mill Up

August 4, 2004

Run No.	Process Weight Rate (tons/hr)	Stack Gas Flow Rate (SCFMD)	Stack Gas Temperature (F)	Stack Gas Moisture (%)	Particulate Matter		
					Conc. (gr/dscf)	Emission Rate (lbs/hr)	lb/ton feed
1	245.5	262,915	291	11.9	0.0044	9.87	0.040
2	245.6	255,618	301	12.6	0.0042	9.20	0.037
3	245.4	222,270	267	13.9	0.0044	8.43	0.034
Average	245.5	246,934	286	12.8	0.0043	9.17	0.037

Table 5

Summary of Source Particulate Matter Emission Test Data

Rinker Materials

Cement Kiln, Mill Down

August 5, 2004

Run No.	Process Weight Rate (tons/hr)	Stack Gas Flow Rate (SCFMD)	Stack Gas Temperature (F)	Stack Gas Moisture (%)	Particulate Matter		
					Conc. (gr/dscf)	Emission Rate (lbs/hr)	lb/ton feed
1	245.6	195,528	453	10.1	0.0087	14.57	0.059
2	245.6	193,468	466	10.0	0.0087	14.39	0.059
3	200.7	198,739	464	10.2	0.0096	16.30	0.081
Average	230.6	195,912	461	10.1	0.0090	15.09	0.067

Table 1
Acid Mist Emission Summary
Rinker Miami Cement Plant
Facility ID - 0250014
August 6, 2004

Run	Preheater Feed (tph)	Clinker Production (tph)	Stack Gas			Acid Mist	
			Flow (dscfm)	Temp (°F)	Moist (%)	(lb/hr)	(lb/ton clinker)
1	244.4	146.7	218354	254	15.2	0.333	0.0023
2	245.5	147.4	228686	243	16.0	0.655	0.0044
3	245.3	147.3	215801	249	15.6	0.322	0.0022
Average	245.1	147.1	220947	249	15.6	0.436	0.0030

Permit Limit = 1.92 lb/hr and 0.014 lb/ton clinker

Table 2
Lead and Mercury Emission Summary
Rinker Miami Cement Plant
Facility ID - 0250014
August 6, 2004

Run	Preheater Feed (tph)	Clinker Production (tph)	Stack Gas			Lead		Mercury	
			Flow (dscfm)	Temp (°F)	Moist (%)	(lb/hr)	(lb/ton clinker)	(lb/hr)	(lb/ton clinker)
1	244.4	146.7	196147	248	16.8	0.00137	0.9 E-05	0.00093	0.6 E-05
2	245.3	147.3	203565	249	16.2	0.00391	2.7 E-05	0.00109	0.7 E-05
3	245.4	147.3	201965	242	16.1	0.00263	1.8 E-05	0.00094	0.6 E-05
Average	245.0	147.1	200559	246	16.4	0.00264	1.8 E-05	0.00099	0.7 E-05

Lead Permit Limit = 0.01 lb/hr and 7.5 E-05 lb/ton clinker

Mercury Permit Limit = 0.0033 lb/hr and 2.4 E-05 lb/ton clinker

Table 1

Dioxin / Furan Rinker Materials Miami, Florida Cement Kiln / In-line Raw Mill / Clinker Cooler									
Raw-mill Up/down	Run No.	Date	Pre-heater Feed Rate (Ton/Hr)	Clinker Production (Ton/Hr)	Stack Gas Conditions				
					Flow (dscfm)	Stack (F°)	Moisture (%)	O ₂ (%)	CO ₂ (%)
up	1	4-Aug	245.6	147.4	233761	363	11.2	12.2	11.6
up	2	7-Aug	245.6	147.4	262554	260	10.6	12.7	11.2
up	3	7-Aug	245.6	147.4	258228	296	10.5	12.5	11.7
Average			245.6	147.4	251514	306	10.8	12.5	11.5
down	1	5-Aug	225.5	135.4	190162	458	9.0	9.5	16.5
down	2	5-Aug	230.1	138.1	191746	457	9.5	10.7	16.7
down	3	8-Aug	245.6	147.4	181957	451	10.7	10.0	17.5
Average			233.7	140.3	187955	455	9.7	10.1	16.9

Dioxin / Furan Rinker Materials Miami, Florida Cement Kiln / In-line Raw Mill / Clinker Cooler						
Run No.	Bag House Inlet (F°)	Sample Volume (dscf)	Sample Volume (dscm)	D/F TEQ (ng)	D/F TEQ (ng/dscm)	D/F TEQ @ 7% O ₂ (ng/dscm)
up-R1	312	124.6	3.53	0.308	0.087	0.139
up-R2	317	128.5	3.64	0.098	0.027	0.045
up-R3	314	132.4	3.75	0.412	0.110	0.182
average	314	128.5	3.64	0.273	0.075	0.122
down-R1	513	125.0	3.54	0.386	0.109	0.133
down-R2	508	131.3	3.72	0.365	0.098	0.134
down-R3	515	129.2	3.66	0.206	0.056	0.072
average	512	128.5	3.64	0.319	0.088	0.113

MACT Standard Baghouse Inlet Temperature Greater Than > 400 F° >(0.2 ng/dscm)


MACT Standard Baghouse Inlet Temperature Less Than < 400 F° >(0.4 ng/dscm)

Memorandum

Florida Department of Environmental Protection

TO: Michael G. Cooke

THROUGH: Trina L. Vielhauer
Al Linero

FROM: Teresa Heron 

DATE: September 1 2004

SUBJECT: CSR Rinker Materials Corporation
Permit No. 0250014-014-AC Test Protocol

Attached is the final construction permit package for the test protocol approval to the Rinker Cement Plant in Miami. A publicly noticed permit to conduct this test protocol (No. 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. A permitting action (No. 0250014-012-AC) extending the expiration date to September 30, 2004 to conduct the test protocols was re-issued on June 14, 2004. On July 26, 2004, Rinker applied again to remove the language implying 60-consecutive test days to be replaced by 60 operating days of test within the previously established life of the permit which is September 30, 2004. An approval for this last request was issued on August 9, 2004 (No. 0250014-013-AC).

According to the present request (No. 0250014-014-AC), Rinker experienced some down time as a result of equipment malfunctions and is unable to evaluate the requested plant production capacity. Therefore, Rinker wishes to increase the allowable test period to October 31, 2004 to continue to evaluate different factors, particularly the feed mix and the effect of this mix on preheater plugging while operating at higher rates. Few specific conditions will be modified but permit No. 0250014-012-AC will be re-issued since it will expire September 30, 2004.

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

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

Florida Department of
Environmental Protection

Memorandum

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT

In the Matter of an
Application for Permit

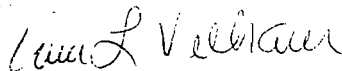
Mr. Ed Allsopp, VP
Rinker Materials Corporation
1200 Northwest 137th Avenue
Miami, Florida 33182

DEP File No. 0250014-014-AC
Production Capacity Test Protocol
Miami Cement Plant
Dade County

Enclosed is the Permit Number 0250014-014-AC to evaluate the feasibility of a clinker production rate increase by conducting a production capacity test at the Rinker Materials Corporation, Miami Cement Plant, 1200 Northwest 137th Avenue, Miami, Dade County. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; 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 of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 9/2/04 to the person(s) listed:

Ed Allsopp, VP, Rinker*
Mike Vardeman, Rinker
Gregg Worley, EPA
John Bunyak, NPS
Tom Tittle, DEP SED
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(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk)

9/2/04
(Date)

FINAL DETERMINATION

CSR RINKER MATERIALS CORPORATION
PORTLAND CEMENT MANUFACTURING FACILITY
PERMIT No. 0250014-014-AC
Dade County

An Intent to Issue an air construction permit to CSR Rinker Materials Corporation (Rinker), to evaluate the feasibility of a clinker production rate increase by conducting a continuous production capacity test at the Miami Cement Plant through October 31, 2004, was distributed on August 16, 2004. The Public Notice of Intent to Issue Air Construction Permit was published in The Miami Herald on August 17, 2004. The facility is located at 1200 Northwest 137th Avenue in Miami, Dade County.

No comments were submitted by the U.S.EPA, the National Park Service, Dade County DERM, or the public during the public notice period.

The final action of the Department will be to issue the permit as noted during the public notice period.



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.	0250014-014-AC
Expires:	October 31, 2004

Authorized Representative:

Ed Allsopp, Vice-President of Cement Operations

PROJECT AND LOCATION:

This permit authorizes CSR Rinker to conduct a continuous production capacity test at the Miami Cement Plant through October 31, 2004. This permit replaces previous permitting actions No. 0250014-012-AC and No. 0250014-013-AC. 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.

CONTENTS

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

Michael G. Cooke

9/1/04

Michael G. Cooke, Director
Division of Air Resource Management

(Date)

"More Protection, Less Process"

Printed on recycled paper.

SECTION 1. GENERAL INFORMATION
AIR CONSTRUCTION PERMIT MODIFICATION NO. 0250014-014-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 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. 0250014-014-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.
- New application for a 60-day production capacity test received on June 4 (complete on June 10, 2004) to extend the expiration date of permit No. 0250014-011-AC. This permit was re-issued on June 14, 2004 as permit No. 0250014-012-AC
- New application request to change the 60 calendar days to 60 operating days received on July 26, 2004. Letter authorizing this request (DEP File No. 0250014-013-AC) issued August 9, 2004.
- New application request received on August 5, 2004 (complete on August 10, 2004), for an extension to October 31, 2004 of the production capacity evaluation test period.

SECTION 2. ADMINISTRATIVE REQUIREMENTS
AIR CONSTRUCTION PERMIT MODIFICATION NO. 0250014-014-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 Blairstone 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. 0250014-014-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 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 to evaluate continuous production capacity shall end no later than October 31, 2004. Upon the expiration of this permit (October 31, 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. 0250014-014-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 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 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 15-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)
23	Dioxin and Furans
9	Visible Emissions (VE)
25, 25 A or 18 CEMS (PS 8A)*	Volatile Organic Compounds (VOC) THC [Refer to 40 CFR 63.1349 (b)(4)]

[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. 0250014-014-AC

* The owner or operator of an affected source subject to limitations on emissions of THC shall demonstrate initial compliance with the THC limit by operating a continuous emission monitor in accordance with Performance Specification 8A of appendix B to part 60 of this chapter.

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
CONTENTS

- 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.

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 checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>SHARON FEQUIGES</i> C. Date of Delivery <i>9/10/04</i></p>
<p>1. Article Addressed to: Mr. Ed Allsopp, Vice President Rinker Materials Corporation 1200 Northwest 137th Avenue Miami, Florida 33182</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</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 7000 1670 0013 3110 3025 (Transfer from service label)</p>	
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

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

Postmark Here

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

Sent To
Mr. Ed Allsopp, Vice President
Rinker Materials Corporation
1200 Northwest 137th Avenue
City, State, ZIP+4
Miami, Florida 33182

PS Form 3800, May 2000 See Reverse for Instructions

7000 1670 0013 3110 3025

RECEIVED

AUG 19 2004

BUREAU OF AIR REGULATION

MIAMI DAILY BUSINESS REVIEW

Published Daily except Saturday, Sunday and Legal Holidays
Miami, Miami-Dade County, Florida

STATE OF FLORIDA
COUNTY OF MIAMI-DADE:

Before the undersigned authority personally appeared O.V. FERBEYRE, who on oath says that he or she is the SUPERVISOR, Legal Notices of the Miami Daily Business Review f/k/a Miami Review, a daily (except Saturday, Sunday and Legal Holidays) newspaper, published at Miami in Miami-Dade County, Florida; that the attached copy of advertisement, being a Legal Advertisement of Notice in the matter of

INTENT TO ISSUE AIR CONSTRUCTION PERMIT
CSR RINKER MATERIALS CORP. - DEP FILE NO. 0250014-014-AC

in the XXXX Court,
was published in said newspaper in the issues of

08/17/2004

Affiant further says that the said Miami Daily Business Review is a newspaper published at Miami in said Miami-Dade County, Florida and that the said newspaper has heretofore been continuously published in said Miami-Dade County, Florida, each day (except Saturday, Sunday and Legal Holidays) and has been entered as second class mail matter at the post office in Miami in said Miami-Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he or she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.



Sworn to and subscribed before me this

17 day of AUGUST, A.D. 2004



(SEAL)



Maria I. Mesa
My Commission DD293855
Expires March 04, 2008

O.V. FERBEYRE personally

**PUBLIC NOTICE OF INTENT TO ISSUE
AIR CONSTRUCTION PERMIT**

**STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

DEP FILE NO. 0250014-014-AC

**CSR RINKER MATERIALS CORPORATION
MIAMI CEMENT PLANT - PRODUCTION
CAPACITY TEST PROGRAM**

MIAMI-DADE COUNTY

The Department of Environmental Protection (Department) gives notice of Intent to Issue an Air Construction Permit to CSR Rinker Materials Corporation (Rinker) to conduct a production capacity test program at its existing Miami Cement Plant. A Best Available Control Technology (BACT) determination and a review for the Prevention of Significant Deterioration (PSD) were not required pursuant to Rule 62-212.400, F.A.C. The applicant's name and address are CSR Rinker Materials Corporation, 1200 Northwest 137th Avenue, Miami, Florida 33182.

CSR Rinker Materials Corporation will evaluate the feasibility of a permanent clinker production rate increase by conducting a continuous production capacity test program at the Miami Cement Plant through October 31, 2004. 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 may submit an application to permanently increase production following the test program. They will be required to 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 another public notice prior to permanent authorization of a production increase.

The Department will issue the FINAL permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of fourteen (14) days from the date of publication of "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

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 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, as well as the rules and statutes which entitle the petitioner to relief; (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.

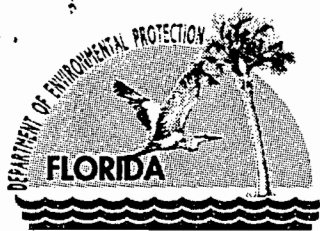
A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Protection
Bureau of Air Regulation
111 S. Magnolia Drive, Suite 4
Tallahassee, Florida, 32301
Telephone: (850) 488-0114
Fax: (850) 922-6979
Dept. of Environmental Protection
Southeast District Office
400 North Congress Avenue
West Palm Beach, Florida 33401
Telephone: 407/681-6600
Fax: 407/681-6755
Miami-Dade County Dept. of
Environmental Resources Mgt.
33 Southwest 2nd Avenue, Suite 900
Miami, Florida 33150-1540
Telephone: 305/372-6925
Fax: 305/372-6954

The complete project file includes the application, Draft Permit, previous permits, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. Key documents can be viewed at www.dep.state.fl.us/air/permitting/construct.htm under the category of cement plants.

04-4-18/480255M

8/17



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

August 13, 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. 0250014-014-AC
Miami Cement Plant

Dear Mr. Allsopp:

Enclosed is one copy of the Draft Air Construction Permit to conduct a continuous production capacity test through October 31, 2004 at the Miami Cement Plant. The Department's Intent to Issue Air Construction Permit and the "Public Notice of Intent to Issue Air Construction Permit" are also included.

The "Public Notice" must be published one time only as soon as possible in a newspaper of general circulation in the area affected, pursuant to the requirements Chapter 50, Florida Statutes. Proof of Publication, such as a newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in denial of the permit modification. The Department reserves the right to publish the Public Notice at anytime. If the Department publishes the Public Notice, the applicant is relieved of this responsibility.

Please submit any written comments you wish to have considered concerning the Department's proposed action to A.A. Linero, Program Administrator, New Source Review Section at the letterhead address. If you have any questions please call Ms. Teresa Heron at 850/921-9529 or Mr. Linero at 850/921-9523.

Sincerely,

Trina L. Vielhauer, Chief
Bureau of Air Regulation

TLV/al

Enclosures

"More Protection, Less Process"

Printed on recycled paper.

In the Matter of an
Application for Permit by:

CSR Rinker Materials Corporation
1200 Northwest 137th Avenue
Miami, Florida 33182

DEP File Nos. 0250014-014-AC
Production Capacity Test
Miami Cement Plant
Miami-Dade County

INTENT TO ISSUE AIR CONSTRUCTION PERMIT

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit (copy of DRAFT Permit attached) for the proposed action, detailed in the application specified above, for the reasons stated below.

The applicant, CSR Rinker Materials Corporation, applied by letter dated August 5, 2004 (complete August 10) to the Department to evaluate the feasibility of a clinker production rate increase by conducting a continuous production capacity test through October 31, 2004, at the Miami Cement Plant in Miami-Dade County.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The above actions are not exempt from permitting procedures. The Department has determined that an air construction permit is required.

The Department intends to issue this air construction permit based on the belief that the applicant has provided reasonable assurances to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C, you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Construction Permit. The notice shall be published as soon as possible one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/922-6979). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in Section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of Public Notice of Intent to Issue Air Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

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 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.

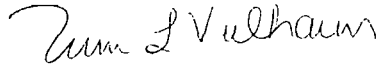
In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542 F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Mediation is not available in this proceeding. 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.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

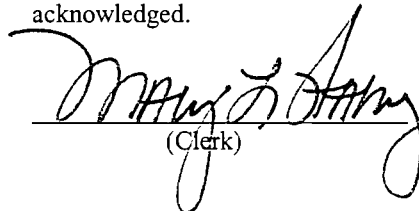
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AIR CONSTRUCTION PERMIT (including the PUBLIC NOTICE and the DRAFT permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 8/16/04 to the person(s) listed:

- Ed Allsopp, VP, Rinker*
- Mike Vardeman, Rinker
- Gregg Worley, EPA
- John Bunyak, NPS
- Tom Tittle, DEP SED
- 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)

8/16/04

(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 0250014-014-AC

CSR Rinker Materials Corporation
Miami Cement Plant – Production Capacity Test Program

Miami-Dade County

The Department of Environmental Protection (Department) gives notice of intent to issue an Air Construction Permit to CSR Rinker Materials Corporation (Rinker) to conduct a production capacity test program at its existing Miami Cement Plant. A Best Available Control Technology (BACT) determination and a review for the Prevention of Significant Deterioration (PSD) were not required pursuant to Rule 62-212.400, F.A.C. The applicant's name and address are CSR Rinker Materials Corporation, 1200 Northwest 137th Avenue, Miami, Florida 33182.

CSR Rinker Materials Corporation will evaluate the feasibility of a permanent clinker production rate increase by conducting a continuous production capacity test program at the Miami Cement Plant through October 31, 2004. 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 may submit an application to permanently increase production following the test program. They will be required to 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 another public notice prior to permanent authorization of a production increase.

The Department will issue the FINAL permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of fourteen (14) days from the date of publication of "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

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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.

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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.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Protection Bureau of Air Regulation 111 S. Magnolia Drive, Suite 4 Tallahassee, Florida, 32301 Telephone: (850) 488-0114 Fax: (850) 922-6979	Dept. of Environmental Protection Southeast District Office 400 North Congress Avenue West Palm Beach, Florida 33401 Telephone: 407/681-6600 Fax: 407/681-6755	Miami-Dade County Dept. of Environmental Resources Mgt. 33 Southwest 2 nd Avenue, Suite 900 Miami, Florida 33150-1540 Telephone: 305/372-6925 Fax: 305/372-6954
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The complete project file includes the application, Draft Permit, previous permits, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. Key documents can be viewed at www.dep.state.fl.us/air/permitting/construct.htm under the category of cement plants.

PERMITTEE:

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

FID No.	0250014
SIC No.	3241
Permit No.	0250014-014-AC
Expires:	October 31, 2004

Authorized Representative:
Ed Allsopp, Vice-President of Cement Operations

PROJECT AND LOCATION:

This permit authorizes CSR Rinker to conduct a continuous production capacity test at the Miami Cement Plant through October 31, 2004. This permit replaces previous permitting actions No. 0250014-012-AC and No. 0250014-013-AC. 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.

CONTENTS

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

Michael G. Cooke, Director
Division of Air Resource Management

(Date)

SECTION 1. GENERAL INFORMATION
AIR CONSTRUCTION PERMIT MODIFICATION NO. 0250014-014-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 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. 0250014-014-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.
- New application for a 60-day production capacity test received on June 4 (complete on June 10, 2004) to extend the expiration date of permit No. 0250014-011-AC. This permit was re-issued on June 14, 2004 as permit No. 0250014-012-AC
- New application request to change the 60 calendar days to 60 operating days received on July 26, 2004. Letter authorizing this request (DEP File No. 0250014-013-AC) issued August 9, 2004.
- New application request received on August 5, 2004 (complete on August 10, 2004), for an extension to October 31, 2004 of the production capacity evaluation test period.

SECTION 2. ADMINISTRATIVE REQUIREMENTS
AIR CONSTRUCTION PERMIT MODIFICATION NO. 0250014-014-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 Blairstone 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. 0250014-014-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 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 to evaluate continuous production capacity shall end no later than October 31, 2004. Upon the expiration of this permit (October 31, 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. 0250014-014-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 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 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 15-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)
23	Dioxin and Furans
9	Visible Emissions (VE)
25, 25 A or 18 CEMS (PS 8A)*	Volatile Organic Compounds (VOC) THC [Refer to 40 CFR 63.1349 (b)(4)]

[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. 0250014-014-AC

* The owner or operator of an affected source subject to limitations on emissions of THC shall demonstrate initial compliance with the THC limit by operating a continuous emission monitor in accordance with Performance Specification 8A of appendix B to part 60 of this chapter.

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

CONTENTS

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.

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

2. Article Number
 (Transfer from service label) **7000 1670 0013 3110 3018**

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Addressee

B. Received by (Printed Name) **Sharon Fagan** C. Date of Delivery **8-18**

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

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

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

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

Linero, Alvaro

From: Aller, Mike [MAller@rinker.com]
Sent: Friday, August 13, 2004 1:17 PM
To: Linero, Alvaro
Cc: Vardeman, Mike; Rogers, Robert
Subject: Rinker Testing Permit Extension

Al,

Per our conversation this morning, here is some background on the reasoning for the request for an extension on the testing period.

Approximately half way into the 60 day test period we reached and sustained a kiln feed rate of 245 tph, or about 10% above the original permit limit. We held at that level to conduct some testing and because we were near raw mill grinding capacity limits. After a several weeks at 245 tph kiln feed, we reduced the fineness target for our raw meal in order to increase raw mill production capacity. We remained at the 245 tph rate with the coarser raw meal to evaluate the effects on burnability and cement quality. It was obvious there was additional capacity in the system.

Following this period, we attempted runs at 250 tph feed rate but had some difficulties due to feed chemistry fluctuations. At 250 tph there were also some difficulties with the main baghouse fan with the raw mill down. It was recently discovered that this fan, although originally designed for 900 rpm, has a resonance problem around 850 rpm. How to resolve this issue is currently under review.

We have recently been able to stabilize the kiln feed chemistry and the kiln at 250 tph. This stability has allowed for more stable temperatures at the main baghouse fan, keeping it out of the resonance region. Once we have satisfactory data gathering at 250 tph, we intend to increase to 255 tph to evaluate our limitations at that level. Obviously, the higher we push the tonnage, the harder the process will be to stabilize. Therefore, we need longer runs at each increment in order to satisfy ourselves that we can operate at these rates reliably and without causing damage to the equipment. Raw meal production capacity is the primary limiting factor so we will also evaluate further reductions in raw meal fineness.

If you need any additional information, please feel free to contact Mike Vardeman, Bob Rogers or myself.

Best regards,

Mike Aller
Production Manager

CONFIDENTIALITY: The information contained in this transmission may contain privileged and confidential information. It is intended only for the use of the person(s) named above. If you are not the intended recipient, you are hereby notified that any review, dissemination, distribution or duplication of this communication, and the information contained in it, is strictly prohibited. If you are not the intended recipient, please contact the sender and immediately destroy all copies of the original message.



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

263-03-10
July 23, 2004

Via Email and USPS

RECEIVED

JUL 26 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. 0250014-012-AC
Short-term Tests to Evaluate Kiln Production Capacity*

Dear Al: *0250014-013-AC*

On June 11, 2004, the Department issued the above captioned Air Construction permit to Rinker to conduct a 60-day production capacity at the Rinker Miami Cement Plant in Miami, Florida. Specific Condition 3, of the permit states:

The tests shall be conducted over a 60 consecutive day period and shall end no later than September 30, 2004...

As Mike Vardeman and I discussed with you during our meeting on July 8, 2004, Rinker has experienced some unscheduled down-time subsequent to the beginning of the 60-day period. This down-time reduces the effective time for production rate evaluation during the 60-consecutive day period. This reduction in the effective test time could prevent Rinker from fully evaluating the full production capacity of the plant.

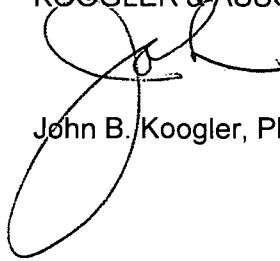
By this letter, I am requesting on behalf of Rinker, that Specific Condition 3, Section 3 be amended to allow Rinker a 60-operating day period, ending no later than September 30,

2004 to evaluate the production capacity of the plant. All other conditions of the subject air construction will remain unchanged.

I appreciate your consideration of this request. If additional information is required, please do not hesitate to contact me.

Very truly yours,

KOOGLER & ASSOCIATES

A handwritten signature in black ink, appearing to read 'John B. Koogler', written over the company name.

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

JBK/ltt

cc: Scott Benyon
Mike Vardeman

Memorandum

Florida Department of Environmental Protection

To: Michael Cooke

From: Trina Vielhauer 

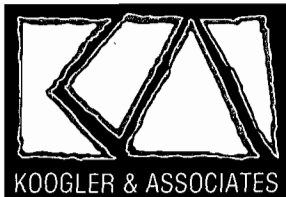
Date: August 5, 2004

Subject: Rinker Cement

Rinker did not commence testing immediately upon the testing approval. Their current testing provisions *as calendar days* expire August 11. Changing the language to *operating days* will extend the current testing expiration until September 30. This will allow Rinker and the Department additional time to evaluate an extension of the testing through October 31, 2004. This request will be submitted to the Department today and will require published notice [assuming you agree with BAR to grant the request].

Rinker will be submitting an application to increase production to 260 tons feed / hour later this fall. In that application they will identify what activities they need to undertake [e.g. replacing a fan] to reach that 260 tons feed/hour rate.

If you have any questions, please let me know.



KOOGLER & ASSOCIATES

ENVIRONMENTAL SERVICES

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

263-03-10
August 5, 2004

Via Email, Fax, and Hand Delivery

Ms. Trina Vielhauer, Bureau Chief
FDEP –Bureau of Air Regulation
Twin Towers Office Bldg
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

and

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

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

Dear Trina and Al:

Mike Vardeman and I appreciated the opportunity to meet with you on August 4, 2004 to discuss the status of the testing Rinker is presently doing to evaluate the production capacity of their Miami Cement Plant. These production rate tests were authorized by the above captioned air construction permit issued on June 14, 2004.

As we discussed, the approval granted to Rinker for the tests authorizes a 60 calendar day test period with testing not to extend beyond September 30, 2004. The production rate tests are currently being conducted and emission compliance testing for all regulated pollutants, including dioxins and furans, is being conducted during the time period August 4-7, 2004.

Since the time the tests began on or about June 14, 2004, Rinker has experienced some unscheduled plant downtime as a result of equipment malfunctions. This has obviously reduced the number of effective days for Rinker to evaluate the plant production capacity. As it is now, the 60 calendar day test period will end on or about August 11, 2004, and Rinker has factors they would like to continue to evaluate; particularly the feed mix and the effect of this mix on preheater plugging.

August 5, 2004
Vilhauer and Linero

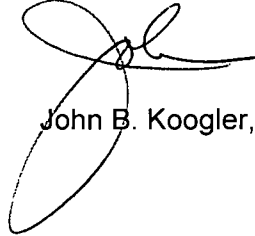
2

As we discussed during our meeting, Rinker would like to extend the test period through October 31, 2004 with no specific limit on the number of test days. Concurrent with considering this request, we would appreciate it if you will execute the authorization allowing Rinker a 60 operating day test period as we discussed earlier. This would be a modification to the above captioned air construction permit and would allow Rinker to operate and evaluate production capacity while the herein requested extension through October 31, 2004 is considered.

We appreciate your willingness to consider this matter. If additional information is required to process this request, please do not hesitate to contact me.

Very truly yours,

KOOGLER & ASSOCIATES



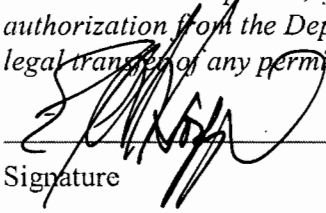
John B. Koogler, Ph.D., P.E.

JBK/ilt

cc: Scott Benyon
Mike Vardeman



Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official: Ed Allsopp – Vice President of Cement Operations
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: Rinker Materials Corporation Street Address: 1200 NW 137th Avenue City: Miami State: Florida Zip Code: 33182
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (305) 229-2951 Fax: (305) 229-8015
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative*(check here [], if so) or the responsible official (check here [X], if so) of the Title V source addressed in this application, whichever is applicable. 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. 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 any permitted emissions unit.</i>  Signature _____ Date <u>8/9/04</u>

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: John B. Koogler, Ph.D., P.E. Registration Number: 12925
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 Fax: (352) 377-7158 e-mail: jkogler@kooglerassociates.com

RECEIVED

AUG 10 2004



Letter of Transmittal

DATE:	August 9, 2004	PROJECT NO:	263-04-02
TO:	Ms. Teresa Heron		
ATTENTION:			
REGARDING:			
Rinker Permitting			

WE ARE FORWARDING TO YOU THE FOLLOWING:

Copies	Description
4	Application for Air Permit - with original signature and seal by Dr. Koogler

RECEIVED
 AUG 10 2004
 BUREAU OF AIR REGULATION

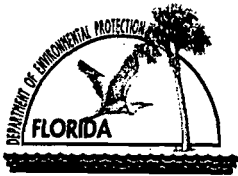
THESE ARE TRANSMITTED BY:

<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 type="checkbox"/>	EMAIL:

REMARKS:

Four copies with original signatures are attached herewith for your review.

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: 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: John B. Koogler, Ph.D., P.E.	
2. Application Contact Mailing Address... Organization/Firm: Koogler & Associates, Inc. Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 32609	
3. Application Contact Telephone Numbers... Telephone: (352) 377 - 5822 ext. Fax: (352) 377 - 7158	
4. Application Contact Email Address: <u>jkoo@kooglerassociates.com</u>	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<i>4-9-04</i>
2. Project Number(s):	<i>0250014-014-AE</i>
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

This application is for an Air Construction Permit to allow the applicant to conduct plant performance tests at a preheater feed rate of up to 267 tph preheater feed (adjusted for recycled dust); corresponding to a clinker production rate of up to 162 tph. The purpose of the tests are to determine the maximum practical production capacity of the plant with no physical modification or change in the method of operation. It is requested that the production test period be extended to October 31, 2004, with no limit on the number of test operating days. The plant will comply with all permitted emission limits (See Attachment No. 1) and other applicable permit conditions during the test period.

APPLICATION INFORMATION

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Proc. Fee
018	Kiln/In-line Raw Mill and Clinker Cooler	ACM2	NA

Application Processing Fee

Check one: Attached - Amount: \$ _____ Not Applicable

APPLICATION INFORMATION

Owner/Authorized Representative Statement

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

1. Owner/Authorized Representative Name :	
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:	
3. Owner/Authorized Representative Telephone Numbers... Telephone: () - ext. Fax: () -	
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

Note: Signed copy to be submitted under separate cover.

APPLICATION INFORMATION

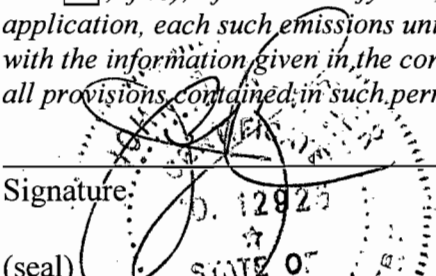
Application Responsible Official Certification - NA

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:		
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: John B. Koogler, Ph.D., P.E. Registration Number: 12925
2. Professional Engineer Mailing Address... Organization/Firm: Koogler & Associates, Inc. Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 32609
3. Professional Engineer Telephone Numbers... Telephone: (352) 377 - 5822 ext. Fax: (352) 377 - 7158
4. Professional Engineer Email Address: <u>jkoo@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>8/9/04</u> (seal) 

* Attach any exception to certification statement.

Attachment 1

Preliminary Emission Measurements
At Elevated Production Rate

Rinker Material Corporation
Miami Cement Plant

July 14-15, 2004

Table 1

PM, CO, SO2, NOx, CH4, and NMHC Emissions Test

Summary of Operating Conditions CSR Rinker Materials Miami, Florida Cement Kiln / Raw Mill July 14, 2004						
Run No.	Preheater Feed Rate (Ton/Hr)	Clinker Production (Ton/Hr)	Stack Gas Conditions			
			Flow (dscfm)	Flow (scfm,wet)	Temp. (F)	Moisture (%)
1	245.5	147.4	200733	240504	233	16.5
2	245.5	147.4	202775	241941	231	16.2
Ave.>	245.5	147.4	201754	241223	232	16.4

Summary of Emissions for PM, CO, SO2, NOx, CH4, and NMHC CSR Rinker Materials Miami, Florida Cement Kiln / Raw Mill July 14, 2004												
Run No.	Particulate Matter		Carbon Monoxide		Sulfur Dioxide		Nitrogen Oxides		Methane		NMHC	
	(gr/dscf)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)
1	0.0052	9.016	279	245	2.77	5.6	321	462	3.97	2.4	8.69	14.4
2	0.0057	9.821	273	241	2.90	5.9	311	452	3.87	2.3	8.49	14.1
Ave.>	0.0054	9.418	276	243	2.84	5.7	316	457	3.92	2.4	8.59	14.2

Table 2

Dioxin / Furan Rinker Materials Miami, Florida Cement Kiln / In-line Raw Mill / Clinker Cooler									
Raw-mill Up/down	Run No.	Date	Pre-heater Feed Rate (Ton/Hr)	Clinker Production (Ton/Hr)	Stack Gas Conditions				
					Flow (dscfm)	Stack (F°)	Moisture (%)	O ₂ (%)	CO ₂ (%)
up	1	14-Jul	245.6	147.4	250137	278	11.8	11.6	16.7
up	2	15-Jul	245.6	147.4	257340	284	11.7	11.9	13.1
Average			245.6	147.4	253738	281	11.7	11.75	14.9
down	1	15-Jul	245.6	147.4	195098	455	9.4	8.0	17.5
down	2	15-Jul	245.6	147.4	193002	460	9.4	7.3	17.2
Average			245.6	147.4	194050	458	9.4	7.7	17.4

Dioxin / Furan Rinker Materials Miami, Florida Cement Kiln / In-line Raw Mill / Clinker Cooler						
Run No.	Bag House Inlet (F°)	Sample Volume (dscf)	Sample Volume (dscm)	D/F TEQ (ng)	D/F TEQ (ng/dscm)	D/F TEQ @ 7% O ₂ (ng/dscm)
up-R1	298	99.61	2.82	0.324	0.115	0.172
up-R2	296	82.63	2.34	0.228	0.097	0.150
average	297	91.12	2.58	0.276	0.106	0.161
down-R1	509	61.90	1.75	0.298	0.170	0.183
down-R2	486	48.05	1.36	0.242	0.178	0.182
average	498	54.98	1.56	0.270	0.174	0.182

MACT Standard Baghouse Inlet Temperature Greater Than > 400 F° >(0.2 ng/dscm)

MACT Standard Baghouse Inlet Temperature Less Than < 400 F° >(0.4 ng/dscm)



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

August 5, 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:

The Department received your request, submitted through Koogler and Associates, to modify the recently issued permit to conduct a production capacity test at the Miami Cement Plant.

According to the request, Rinker experienced some down time and is unable to conduct all the the testing foreseen within a 60 consecutive day period. Instead, Rinker wishes to conduct 60 operating days of tests within the previously established life of the permit which is September 30, 2004.

The switch to operating days will also facilitate the conduct of the various compliance tests that still need to be conducted at the higher production rates. Based on my meeting with Mr. Vardeman and Mr. Koogler, the testing will also make it possible for Rinker to submit a better and more informative application for the anticipated permanent production increase request. The request is acceptable to the Department. Section 3, Specific Condition 3 is hereby modified as follows:

3. Expiration: The test shall occur over a 60 ~~consecutive~~ operating 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.]

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

"More Protection, Less Process"

Printed on recycled paper.

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 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.

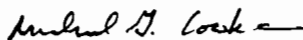
The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2) F.S., and that the purpose of the underlying statute will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

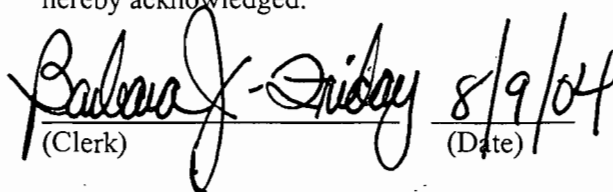
CERTIFICATE OF SERVICE

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 8/9/04 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.

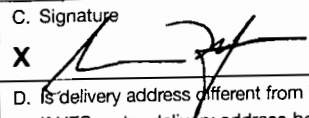

(Clerk) 8/9/04
(Date)

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. Received by (Please Print Clearly) **SHARON FERRELL** B. Date of Delivery **8/12/04**
 C. Signature  Agent
 Addressee
 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 (Copy from service label)

7001 1140 0002 1578 1574

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

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

7001 1140 0002 1578 1574

OFFICIAL USE
 Mr. Ed Allsopp, Vice President of Operations

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 Oper.

Street, Apt. No.;
 & Box No. 1200 Northwest 137th Avenue

City, State, ZIP+4
 Miami, Florida 33182

PS Form 3800, January 2001

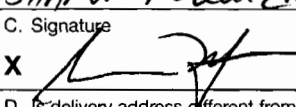
See Reverse for Instructions

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. Received by (Please Print Clearly) **SHARON FERRELLERS** B. Date of Delivery **8/12/04**
 C. Signature  Agent Addressee
 D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

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 (Copy from service label) **7001 1140 0002 1578 1574**

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

OFFICIAL USE
 Mr. Ed Allsopp, Vice President of Operations

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 Oper.
 Street, Apt. No.;
 or 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 type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> Agent Sharon Egan <input type="checkbox"/> Addressee</p> <p>C. Date of Delivery 8-18</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 7000 1670 0013 3110 3018 (Transfer from service label)</p>	
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

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

OFFICIAL USE

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 Operations
 CSR Rinker Materials Corporation
 1200 Northwest 137th Avenue
 Miami, Florida 33182

PS Form 3840, May 2000 See Reverse for Instructions

7000 1670 0013 3110 3018

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

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 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, as well as the rules and statutes which entitle the petitioner to relief; (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.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Protection
Bureau of Air Regulation
111 S. Magnolia Drive, Suite 4
Tallahassee, Florida, 32301
Telephone: (850) 488-0114
Fax: (850) 922-6979
Dept. of Environmental Protection
Southeast District Office
400 North Congress Avenue
West Palm Beach, Florida 33401
Telephone: 407/681-6600
Fax: 407/681-6755
Miami-Dade County Dept. of
Environmental Resources Mgt.
33 Southwest 2nd Avenue, Suite 900
Miami, Florida 33150-1540
Telephone: 305/372-6925
Fax: 305/372-6954

The complete project file includes the application, Draft Permit, previous permits, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information. Key documents can be viewed at www.dep.state.fl.us/air/permitting/construct.htm under the category of cement plants.

8/17

04-4-18/480255M

RECEIVED

AUG 19 2004

BUREAU OF AIR REGULATION

MIAMI DAILY BUSINESS REVIEW

Published Daily except Saturday, Sunday and Legal Holidays
Miami, Miami-Dade County, Florida

STATE OF FLORIDA
COUNTY OF MIAMI-DADE:

Before the undersigned authority personally appeared O.V. FERBEYRE, who on oath says that he or she is the SUPERVISOR, Legal Notices of the Miami Daily Business Review f/k/a Miami Review, a daily (except Saturday, Sunday and Legal Holidays) newspaper, published at Miami in Miami-Dade County, Florida; that the attached copy of advertisement, being a Legal Advertisement of Notice in the matter of

INTENT TO ISSUE AIR CONSTRUCTION PERMIT
CSR RINKER MATERIALS CORP. - DEP FILE NO. 0250014-014-AC

in the XXXX Court,
was published in said newspaper in the issues of

08/17/2004

Affiant further says that the said Miami Daily Business Review is a newspaper published at Miami in said Miami-Dade County, Florida and that the said newspaper has heretofore been continuously published in said Miami-Dade County, Florida, each day (except Saturday, Sunday and Legal Holidays) and has been entered as second class mail matter at the post office in Miami in said Miami-Dade County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he or she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me this

17 day of AUGUST, A.D. 2004

(SEAL)



Maria I. Mesa
My Commission DD293855
Expires March 04, 2008

O.V. FERBEYRE personally known to me

**PUBLIC NOTICE OF INTENT TO ISSUE
AIR CONSTRUCTION PERMIT**

**STATE OF FLORIDA
DEPARTMENT OF
ENVIRONMENTAL PROTECTION**

DEP FILE NO. 0250014-014-AC

**CSR RINKER MATERIALS CORPORATION
MIAMI CEMENT PLANT - PRODUCTION
CAPACITY TEST PROGRAM**

MIAMI-DADE COUNTY

The Department of Environmental Protection (Department) gives notice of intent to issue an Air Construction Permit to CSR Rinker Materials Corporation (Rinker) to conduct a production capacity test program at its existing Miami Cement Plant. A Best Available Control Technology (BACT) determination and a review for the Prevention of Significant Deterioration (PSD) were not required pursuant to Rule 62-212.400, F.A.C. The applicant's name and address are CSR Rinker Materials Corporation, 1200 Northwest 137th Avenue, Miami, Florida 33182.

CSR Rinker Materials Corporation will evaluate the feasibility of a permanent clinker production rate increase by conducting a continuous production capacity test program at the Miami Cement Plant through October 31, 2004. 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 may submit an application to permanently increase production following the test program. They will be required to 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 another public notice prior to permanent authorization of a production increase.

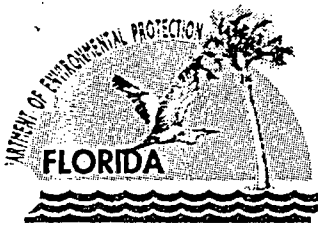
The Department will issue the FINAL permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of fourteen (14) days from the date of publication of "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

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) SHARON FEOLUISKE</p> <p>C. Date of Delivery 9/10/04</p>
<p>1. Article Addressed to: Mr. Ed Allsopp, Vice President Rinker Materials Corporation 1200 Northwest 137th Avenue Miami, Florida 33182</p>	<p>D. Is delivery address different from item 1? If YES, enter delivery address below:</p> <p><input type="checkbox"/> Yes <input checked="" 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>7000 1670 0013 3110 3025</p>
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)											
OFFICIAL USE											
<table border="1"> <tr><td>Postage</td><td>\$</td></tr> <tr><td>Certified Fee</td><td></td></tr> <tr><td>Return Receipt Fee (Endorsement Required)</td><td></td></tr> <tr><td>Restricted Delivery Fee (Endorsement Required)</td><td></td></tr> <tr><td>Total Postage & Fees</td><td>\$</td></tr> </table>	Postage	\$	Certified Fee		Return Receipt Fee (Endorsement Required)		Restricted Delivery Fee (Endorsement Required)		Total Postage & Fees	\$	Postmark Here
Postage	\$										
Certified Fee											
Return Receipt Fee (Endorsement Required)											
Restricted Delivery Fee (Endorsement Required)											
Total Postage & Fees	\$										
<table border="1"> <tr> <td style="font-size: small;">Sent To</td> <td>Mr. Ed Allsopp, Vice President</td> </tr> <tr> <td style="font-size: small;">Rinker Materials Corporation</td> <td></td> </tr> <tr> <td style="font-size: small;">1200 Northwest 137th Avenue</td> <td></td> </tr> <tr> <td style="font-size: small;">Miami, Florida 33182</td> <td></td> </tr> </table>		Sent To	Mr. Ed Allsopp, Vice President	Rinker Materials Corporation		1200 Northwest 137th Avenue		Miami, Florida 33182			
Sent To	Mr. Ed Allsopp, Vice President										
Rinker Materials Corporation											
1200 Northwest 137th Avenue											
Miami, Florida 33182											
<p>PS Form 3800, May 2000 See Reverse for Instructions</p>											

7000 1670 0013 3110 3025



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

August 5, 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:

The Department received your request, submitted through Koogler and Associates, to modify the recently issued permit to conduct a production capacity test at the Miami Cement Plant.

According to the request, Rinker experienced some down time and is unable to conduct all the the testing foreseen within a 60 consecutive day period. Instead, Rinker wishes to conduct 60 operating days of tests within the previously established life of the permit which is September 30, 2004.

The switch to operating days will also facilitate the conduct of the various compliance tests that still need to be conducted at the higher production rates. Based on my meeting with Mr. Vardeman and Mr. Koogler, the testing will also make it possible for Rinker to submit a better and more informative application for the anticipated permanent production increase request. The request is acceptable to the Department. Section 3, Specific Condition 3 is hereby modified as follows:

3. Expiration: The test shall occur over a 60 consecutive operating 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.]

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

"More Protection, Less Process"

Printed on recycled paper.

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 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.

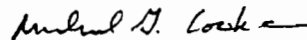
The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2) F.S., and that the purpose of the underlying statute will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

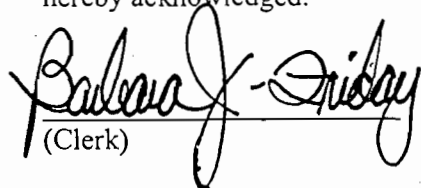
CERTIFICATE OF SERVICE

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 8/9/04 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.

 8/9/04
(Clerk) (Date)



KOOGLER & ASSOCIATES

ENVIRONMENTAL SERVICES

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

263-03-10
July 23, 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. 0250014-012-AC
Short-term Tests to Evaluate Kiln Production Capacity*

Dear Al:

On June 11, 2004, the Department issued the above captioned Air Construction permit to Rinker to conduct a 60-day production capacity at the Rinker Miami Cement Plant in Miami, Florida. Specific Condition 3, of the permit states:

The tests shall be conducted over a 60 consecutive day period and shall end no later than September 30, 2004...

As Mike Vardeman and I discussed with you during our meeting on July 8, 2004, Rinker has experienced some unscheduled down-time subsequent to the beginning of the 60-day period. This down-time reduces the effective time for production rate evaluation during the 60-consecutive day period. This reduction in the effective test time could prevent Rinker from fully evaluating the full production capacity of the plant.

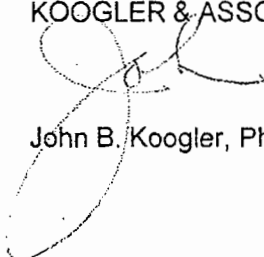
By this letter, I am requesting on behalf of Rinker, that Specific Condition 3, Section 3 be amended to allow Rinker a 60-operating day period, ending no later than September 30,

2004 to evaluate the production capacity of the plant. All other conditions of the subject air construction will remain unchanged.

I appreciate your consideration of this request. If additional information is required, please do not hesitate to contact me.

Very truly yours,

KOOGLER & ASSOCIATES


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

JBK/lt

cc: Scott Benyon
Mike Vardeman





KOOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES

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

263-03-10
August 5, 2004

Via Email, Fax, and Hand Delivery

RECEIVED

AUG 06 2004

BUREAU OF AIR REGULATION

Ms. Trina Vielhauer, Bureau Chief
FDEP –Bureau of Air Regulation
Twin Towers Office Bldg
2600 Blair Stone Road, MS 5500
Tallahassee, FL 32399-2400

and

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

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

Dear Trina and Al:

Mike Vardeman and I appreciated the opportunity to meet with you on August 4, 2004 to discuss the status of the testing Rinker is presently doing to evaluate the production capacity of their Miami Cement Plant. These production rate tests were authorized by the above captioned air construction permit issued on June 14, 2004.

As we discussed, the approval granted to Rinker for the tests authorizes a 60 calendar day test period with testing not to extend beyond September 30, 2004. The production rate tests are currently being conducted and emission compliance testing for all regulated pollutants, including dioxins and furans, is being conducted during the time period August 4-7, 2004.

Since the time the tests began on or about June 14, 2004, Rinker has experienced some unscheduled plant downtime as a result of equipment malfunctions. This has obviously reduced the number of effective days for Rinker to evaluate the plant production capacity. As it is now, the 60 calendar day test period will end on or about August 11, 2004, and Rinker has factors they would like to continue to evaluate; particularly the feed mix and the effect of this mix on preheater plugging.

August 5, 2004
Vilhauer and Linero

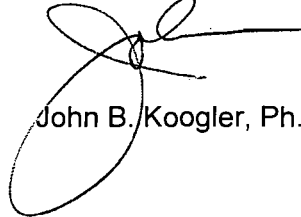
2

As we discussed during our meeting, Rinker would like to extend the test period through October 31, 2004 with no specific limit on the number of test days. Concurrent with considering this request, we would appreciate it if you will execute the authorization allowing Rinker a 60 operating day test period as we discussed earlier. This would be a modification to the above captioned air construction permit and would allow Rinker to operate and evaluate production capacity while the herein requested extension through October 31, 2004 is considered.

We appreciate your willingness to consider this matter. If additional information is required to process this request, please do not hesitate to contact me.

Very truly yours,

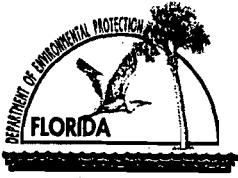
KOOGLER & ASSOCIATES



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

JBK/lt

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: 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: John B. Koogler, Ph.D., P.E.	
2. Application Contact Mailing Address... Organization/Firm: Koogler & Associates, Inc. Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 32609	
3. Application Contact Telephone Numbers... Telephone: (352) 377 - 5822 ext. Fax: (352) 377 - 7158	
4. Application Contact Email Address: <u>jkooqler@kooglerassociates.com</u>	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	<i>8-9-04</i>
2. Project Number(s):	<i>0250014-014-A0</i>
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

This application is for an Air Construction Permit to allow the applicant to conduct plant performance tests at a preheater feed rate of up to 267 tph preheater feed (adjusted for recycled dust); corresponding to a clinker production rate of up to 162 tph. The purpose of the tests are to determine the maximum practical production capacity of the plant with no physical modification or change in the method of operation. It is requested that the production test period be extended to October 31, 2004, with no limit on the number of test operating days. The plant will comply with all permitted emission limits (See Attachment No. 1) and other applicable permit conditions during the test period.

APPLICATION INFORMATION

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Proc. Fee
018	Kiln/In-line Raw Mill and Clinker Cooler	ACM2	NA

Application Processing Fee

Check one: Attached - Amount: \$ _____ Not Applicable

APPLICATION INFORMATION

Owner/Authorized Representative Statement

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

1. Owner/Authorized Representative Name :
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Owner/Authorized Representative Telephone Numbers... Telephone: () - ext. Fax: () -
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

Note: Signed copy to be submitted under separate cover.

APPLICATION INFORMATION

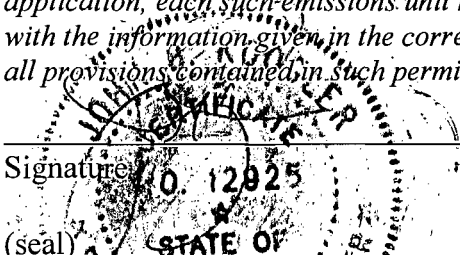
Application Responsible Official Certification - NA

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:		
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: John B. Koogler, Ph.D., P.E. Registration Number: 12925
2. Professional Engineer Mailing Address... Organization/Firm: Koogler & Associates, Inc. Street Address: 4014 NW 13th Street City: Gainesville State: FL Zip Code: 32609
3. Professional Engineer Telephone Numbers... Telephone: (352) 377 - 5822 ext. Fax: (352) 377 - 7158
4. Professional Engineer Email Address: <u>jkoogler@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>8/24/09</u> (seal) 

* Attach any exception to certification statement.

Attachment 1

Preliminary Emission Measurements
At Elevated Production Rate

Rinker Material Corporation
Miami Cement Plant

July 14-15, 2004

Table 1

PM, CO, SO2, NOx, CH4, and NMHC Emissions Test

Summary of Operating Conditions CSR Rinker Materials Miami, Florida Cement Kiln / Raw Mill July 14, 2004						
Run No.	Preheater Feed Rate (Ton/Hr)	Clinker Production (Ton/Hr)	Stack Gas Conditions			
			Flow (dscfm)	Flow (scfm,wet)	Temp. (F)	Moisture (%)
1	245.5	147.4	200733	240504	233	16.5
2	245.5	147.4	202775	241941	231	16.2
Ave.>	245.5	147.4	201754	241223	232	16.4

Summary of Emissions for PM, CO, SO2, NOx, CH4, and NMHC CSR Rinker Materials Miami, Florida Cement Kiln / Raw Mill July 14, 2004												
Run No.	Particulate Matter		Carbon Monoxide		Sulfur Dioxide		Nitrogen Oxides		Methane		NMHC	
	(gr/dscf)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)	(ppm)	(lb/hr)
1	0.0052	9.016	279	245	2.77	5.6	321	462	3.97	2.4	8.69	14.4
2	0.0057	9.821	273	241	2.90	5.9	311	452	3.87	2.3	8.49	14.1
Ave.>	0.0054	9.418	276	243	2.84	5.7	316	457	3.92	2.4	8.59	14.2

Table 2

Dioxin / Furan Rinker Materials Miami, Florida Cement Kiln / In-line Raw Mill / Clinker Cooler									
Raw-mill Up/down	Run No.	Date	Pre-heater Feed Rate (Ton/Hr)	Clinker Production (Ton/Hr)	Stack Gas Conditions				
					Flow (dscfm)	Stack (F°)	Moisture (%)	O ₂ (%)	CO ₂ (%)
up	1	14-Jul	245.6	147.4	250137	278	11.8	11.6	16.7
up	2	15-Jul	245.6	147.4	257340	284	11.7	11.9	13.1
Average			245.6	147.4	253738	281	11.7	11.75	14.9
down	1	15-Jul	245.6	147.4	195098	455	9.4	8.0	17.5
down	2	15-Jul	245.6	147.4	193002	460	9.4	7.3	17.2
Average			245.6	147.4	194050	458	9.4	7.7	17.4

Dioxin / Furan Rinker Materials Miami, Florida Cement Kiln / In-line Raw Mill / Clinker Cooler						
Run No.	Bag House Inlet (F°)	Sample Volume (dscf)	Sample Volume (dscm)	D/F TEQ (ng)	D/F TEQ (ng/dscm)	D/F TEQ @ 7% O ₂ (ng/dscm)
up-R1	298	99.61	2.82	0.324	0.115	0.172
up-R2	296	82.63	2.34	0.228	0.097	0.150
average	297	91.12	2.58	0.276	0.106	0.161
down-R1	509	61.90	1.75	0.298	0.170	0.183
down-R2	486	48.05	1.36	0.242	0.178	0.182
average	498	54.98	1.56	0.270	0.174	0.182

MACT Standard Baghouse Inlet Temperature Greater Than > 400 F° >(0.2 ng/dscm)

MACT Standard Baghouse Inlet Temperature Less Than < 400 F° >(0.4 ng/dscm)