Department of Environmental Protection

Jeb Bush
Governor

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

David B. Struhs
Secretary

May 25, 2001

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Ms. Sharon DeHays
Vice President of Cement Operations
Rinker Materials Corporation
1200 Northwest 137th Avenue
Miami, Florida 33182

Re: DEP File No. 0250014-007-AC Modernization Project
Letters Requesting Extension and Modification of permit

Dear Ms. DeHays:

This is to acknowledge receipt of Mr. Varn's letter dated May 24, 2001 requesting that the Department extend the time for taking final action until June 30, 2001. We acknowledge receipt of Dr. Koogler's April 6 and May 22, 2001 letters requesting several modifications of the permit conditions including removal of the Beryllium (Be) limits. We intend to consolidate any previous requests with the present into a single permitting action. Therefore, we are re-starting the permit processing clock.

Before we can finalize this permitting action, we need the following information:

- Beryllium calculations expressed as ug/dscm at 7 percent oxygen
- Response to DERM's letter of May 14, 2001

Although we are restarting the permitting clock, we need your prompt responses in order to close out these issues at the earliest possible date.

As previously discussed, we will be consolidating all requests on a single action that will need to be publicly noticed pursuant to Chapter 50. F.S. The additional requests make the waiver of the processing clock a moot matter.

If you have any questions regarding this matter, please contact me or Teresa Heron at 850/921-9529.

Sincerely,

A. A. Linero, P.E. Administrator
New Source Review Section

AAL/th

cc: Jack Varn, Fowler & White
John Koogler, P.E., K&A
Patrick Wong, Miami-Dade DERM

SENDER: COMPLETE THIS SECTION

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- 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:

Ms. Sharon DeHays
Vice President of Cement Operations
CSR Rinker Materials Corp.
1200 NW 137 Ave.
Miami, FL 33182

COMPLETE THIS SECTION ON DELIVERY

A. Received by *(Please Print Clearly)* | B. Date of Delivery 5/29/01

C. Signature
X [signature] ☐ Agent ☐ Addressee

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

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☑ Certified Mail ☐ Express Mail
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Form 3811, July 1999 Domestic Return Receipt 102595-99-M-1789

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CERTIFIED MAIL RECEIPT
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Article Sent To:
Ms. Sharon DeHays

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

CSR Rinker

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Name (Please Print Clearly) (to be completed by mailer)
Ms. Sharon DeHays
Street, Apt. No.; or PO Box No.
1200 NW 137 Ave.
City, State, ZIP+4
Miami, FL 33182

PS Form 3800, July 1999 See Reverse for Instructions

RESULTS

SO_2 $\frac{2.85 \text{ lb/hr}}{103.4 \text{ tons clinker/hr}} = 0.028 \frac{\text{lb } SO_2}{\text{ton clinker}}$

NO_x $\frac{339.19 \text{ lb/hr}}{103.4 \text{ ton clinker/hr}} = 3.28 \frac{\text{lb } NO_x}{\text{ton clinker}}$

SO_2 $\frac{2.85 \text{ lb/hr}}{325 \text{ mmBtu/hr}} = 0.0088 \frac{\text{lb } SO_2}{\text{mmBtu}}$

NO_x $\frac{339.19 \text{ lb/hr}}{325 \text{ mmBtu/hr}} = 1.0 \frac{\text{lb } NO_x}{\text{mmBtu}}$

LIMITS

SO_2 $\frac{306 \text{ lb/hr}}{137 \text{ tons/hr}} = 2.23 \text{ lb } SO_2/\text{ton clinker}$

NO_x $\frac{671 \text{ lb/hr}}{137 \text{ ton/hr}} = 4.90 \text{ lb } NO_x/\text{ton clinker}$

$SO_2 = \frac{306 \text{ lb/hr}}{437 \text{ mmBtu/hr}} = 0.70 \frac{\text{lb}}{\text{mmBtu}}$

$NO_x = \frac{671 \text{ lb/hr}}{437 \text{ mmBtu/hr}} = 1.53 \frac{\text{lb } NO_x}{\text{mmBtu}}$

limits

OTHER NO_x test.

$$NO_x = \frac{322.75 \text{ lb/hr}}{(185.4 \text{ tons feed/hr} \times \text{ton clinker}/1.6 \text{ tons feed})} = \frac{2.79 \text{ lb } NO_x}{\text{ton clinker}}$$

beryllium

$$\frac{1.35 \times 10^{-4} \text{ lb/hr}}{185.4 \text{ tons feed/hr} \times \frac{\text{ton clinker}}{1.6 \text{ tons feed}}} =$$

$$1.16 \times 10^{-6} \frac{\text{lb}}{\text{ton clinker}} \times \left[\frac{500000 \text{ ug/m}^3}{\frac{2.3 \text{ lb}}{\text{ton clinker}}} \right]$$

rough factor for PH/PC kiln

$$= 0.25 \text{ ug/m}^3 \text{ @ 7\% } O_2$$

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