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Division of Air
Resources Management

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Patty Adams- DER-BAR
2600 Blair Stone - Twin Towers
Tallahassee, FL 32399-2400



PENALTY FOR PRIVATE
USE, \$300

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

In the matter of an
Application for Permit by:

DER File No. AC 13-187599
Dade County

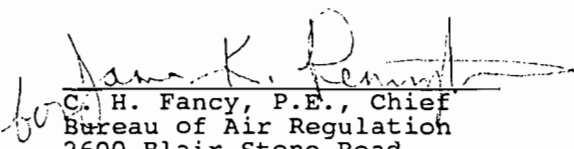
Mr. James S. Jenkins III
Rinker Materials Corporation
Post Office Box 650679
Miami, Florida 33265-0679

Enclosed is Permit Number AC 13-187599 to construct (modify) a stationary 25 TPH soil remediation unit, issued pursuant to Section(s) 403, Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

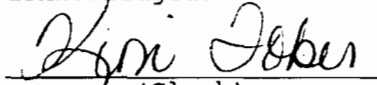

C. H. Fancy, P.E., Chief
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, FL 32399-2400
904-488-1344

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 9-24-91 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to
§120.52(11), Florida Statutes,
with the designated Department
Clerk, receipt of which is hereby
acknowledged.


(Clerk)

9-24-91
(Date)

Copies furnished to:

J. Harper, EPA
I. Goldman, SE Dist.
P. Wong, DERM
Satish Kastury, HWR

Final Determination

Rinker Materials Corporation
Miami, Dade County, Florida

Stone Dryer Modification

Permit No.: AC 13-187599

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

September 11, 1991

Final Determination

The revised Technical Evaluation and Preliminary Determination for the permit to construct (modify) the existing stone dryer at Rinker Materials Corporation's Portland cement manufacturing plant located at 1200 Northwest 137th Avenue, Miami, Dade County, Florida 33265-0679, was distributed on July 17, 1991. The Notice of Intent to Issue was published in the Miami Herald on July 24, 1991. Copies of the evaluation were available for public inspection at the Dade County Department of Environmental Resources Management's (DERM) office in Miami and the Department's offices in West Palm Beach and Tallahassee.

Comments were submitted by DERM. The Department was requested to evaluate the potential ground level impacts of the metals emissions from the dryer. Using the stack parameters listed in the application, the maximum allowable particulate matter emissions listed in the proposed permit, and assuming the metal concentration in the particulate matter emissions were the maximum allowed in the untreated soil, the maximum concentration predicted to be in the ambient air was calculated and the results are shown in the following table.

Metal	Max ppm in soil	Max Metal Emission, g/s	Maximum AAQ Impact ($\mu\text{g}/\text{m}^3$)				No Threat Level ($\mu\text{g}/\text{m}^3$)		
			1 hr	8 hr	24 hr	Annual	8 hr	24 hr	Annual
Arsenic	55	2.3×10^{-5}	1.4×10^{-4}	1×10^{-4}	5.7×10^{-5}	1.4×10^{-5}	2	0.48	2.3×10^{-4}
Barium	2750	1.2×10^{-3}	7.4×10^{-3}	5.2×10^{-3}	3.0×10^{-3}	7.4×10^{-4}	5	1.2	50
Cadmium	55	2.3×10^{-5}	1.4×10^{-4}	1×10^{-4}	5.7×10^{-5}	1.4×10^{-5}	0.5	0.12	5.6×10^{-4}
Chromium	275	1.2×10^{-4}	7.4×10^{-4}	5.2×10^{-4}	3.0×10^{-4}	7.4×10^{-5}	0.5	0.12	8.3×10^{-5}
Lead	77	3.2×10^{-5}	2×10^{-4}	1.4×10^{-4}	7.9×10^{-5}	2×10^{-5}	1.5	0.36	9×10^{-2}
Mercury	17	7.1×10^{-6}	4.4×10^{-5}	3.1×10^{-5}	1.8×10^{-5}	4.4×10^{-6}	0.5	0.12	0.3
Selenium	165	6.9×10^{-5}	4.3×10^{-4}	3×10^{-4}	1.7×10^{-4}	4.3×10^{-5}	2	0.48	
Silver	165	6.9×10^{-5}	4.3×10^{-4}	3×10^{-4}	1.7×10^{-4}	4.3×10^{-5}	0.1	24×10^{-2}	3

None of the metal impacts are predicted to exceed the No Threat Level.

Data from tests required by the construction permit will be used to confirm the assumptions used in the evaluation of the metals ambient impact.

The final action of the Department will be to issue construction permit No. AC 13-187599 as proposed in the revised Technical Evaluation and Preliminary Determination.



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:
Rinker Materials Corporation
P. O. Box 650679
Miami, Florida 33265-0679

Permit Number: AC 13-187599
Expiration Date: March 30, 1992
County: Dade
Latitude/Longitude: 25°46'48"N
80°25'10"W

**Project: Modification of the
Stone Dryer**

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Authorization to modify the existing stone dryer system to decontaminate up to 40 TPH of soil containing petroleum products (gasoline, No. 2-6 fuel oils, and motor oil). Major components of the system are Gencor Ultraflame low excess air oil burners for the existing 7 ft. diameter by 80 ft. long rotary dryer, an 85% efficient Joy-Western multicyclone, a 99.9% efficient Micropul baghouse with 3,366 sq. ft. of cloth area, a 99.5% efficient natural gas fired IT/McGill afterburner capable of 0.75 seconds residence time at 1600°F, two heat exchangers for energy recovery, a raw material gallery controlled with a Micropul baghouse that discharges approximately 500 acfm at 400°F through a 1.0 ft. square stack that is 45 ft. high, material handling equipment (screens, inclined belt feeders, bucket elevator, crusher, and stacker), fuel systems (used petroleum oil meeting the provisions of 40 CFR 266, Subpart E, and No. 2 fuel oil for the dryer, and natural gas for the afterburner), a by-pass stack to be used only when the kiln is drying stone, and associated equipment. Air pollutants from the dryer are discharged in approximately 36,500 acfm of 800°F flue gases through a 4.5 ft. diameter by 80 ft. high stack.

This system is located at the permittee's Portland cement manufacturing plant at 1200 Northwest 137th Avenue, Miami, Dade County, Florida 33265-0679. The UTM coordinates of this site are Zone 17, 558.2 km E and 2851.3 km N.

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

Attachments are listed below:

1. Application received Dec. 10, 1990.
2. Rinker's letter dated Feb. 22, 1991.
3. Environmental Quality Management, Inc. letter dated Mar. 5, 1991.
4. Environmental Quality Management, Inc. letter dated May 8, 1991.
5. DERM letter dated Jun. 27, 1991.

GENERAL CONDITIONS:

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 any 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 of 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 acknowledgement 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.

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

GENERAL CONDITIONS:

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 any 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.

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

GENERAL CONDITIONS:

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 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 17-4.120 and 17-30.300, 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. 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

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

GENERAL CONDITIONS:

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 for 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:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. 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.

SPECIFIC CONDITIONS:

Construction Requirements

1. The construction of this facility shall reasonably conform to the plans and schedule submitted in the application.
2. The stack sampling facilities must comply with F.A.C. Rule 17-2.700(4).
3. The afterburner shall be capable of operating above 1600°F with a 0.75 second retention time. It shall have a minimum VOC destruction efficiency of 98.8 percent.

Emission Restrictions

4. Particulate matter emissions from the afterburner shall neither exceed 0.04 grains/dscf, nor 3.3 lbs/hr (max.)/1.0 lbs/hr (avg.).

PERMITTEE:
Rinker Materials Corporation

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Expiration Date: March 30, 1992

SPECIFIC CONDITIONS:

Lead emissions shall not exceed 0.13 lbs/hr. Particulate matter emissions from the fugitive dust baghouse shall not exceed 0.02 grains/dscf, nor 0.5 lbs/hr. Visible emissions from any part of the process shall not exceed 5% opacity.

5. Benzene emissions from the afterburner shall not exceed 1.5 lbs/hr. Total VOC emissions shall not exceed 5.5 lbs/hr. Compliance shall be determined by a material balance using soil analysis, production rate, and the afterburner destruction efficiency.

6. The operation of this source shall not result in the emissions of air pollutants which cause or contribute to an objectionable odor pursuant to F.A.C. Rule 17-2.600(c)2.

Operation Requirements

7. The system shall be properly operated and maintained (F.A.C. Rule 17-2.210(2)). No person shall circumvent any pollution control device or allow the emissions of air pollutants without the applicable air pollution control device operating properly (F.A.C. Rule 17-2.240). The afterburner must be in service any time the stone dryer is used to decontaminate soil. The use of the afterburner is not required when the unit is used to dry stone.

8. Reasonable precautions shall be used to minimize unconfined emissions of particulate matter generated by this operation (F.A.C. Rule 17-2.610(3)). The permittee shall haul the soil in covered trucks, promptly clean-up spills, and wet the area when dry to minimize wind blown dust.

9. The unit shall not be operated in a manner that may create a nuisance.

10. Untreated soil shall be covered with a plastic sheet while in storage.

11. This unit shall be allowed to operate continuously, 24 hours per day, 7 days per week, and 52 weeks per year. The permittee shall maintain a log that shows the process (soil decontamination or stone drying), time, and dates the unit was operated.

12. Use of the existing cement kiln to decontaminate soil shall cease when the stone dryer begins operation as a soil

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

SPECIFIC CONDITIONS:

decontamination unit or when this construction permit expires, whichever event occurs first.

13. Maximum soil charging rate to the unit shall not exceed 40 TPH. The permittee shall measure and record the hourly feed or production rate of the system.

14. The dryer is authorized to burn up to 27.4 MMBtu/hr of waste oil (193 GPH) containing a maximum of 0.4% sulfur and 500 ppm lead, No. 2 distillate oil (193 GPH) containing a maximum of 0.5% sulfur, and/or natural gas (460 CFM). The maximum fuel oil consumption shall not exceed 769,459 gallons in any 12 month period.

15. The fume incinerator is authorized to burn up to 15.0 MMBtu/hr of natural gas (250 CFM). The fume incinerator shall be in service any time the stone dryer is being used to process material containing contaminated soil. The by-pass stack must be closed when the unit is processing contaminated soil.

16. Only soils contaminated with virgin (non-recycled) petroleum fuels and lubricants, and "on-spec" used oils shall be treated in this unit. The soil decontamination system shall neither be used to thermally process materials that are listed in 40 CFR 261.31, 261.32, 261.33 (revised as of July 1, 1990) nor materials that have the hazardous characteristics of corrosivity, reactivity, and EP toxicity. Prior to the acceptance of contaminated materials for processing, the permittee shall obtain reasonable assurance that the soil is contaminated with only virgin and/or "on specification" petroleum products. Reasonable assurance may be obtained by the sampling of the soil, by certification from owners regarding the history of the site, or by any other documentation or submission approved by the Department's Southeast District in such regard. If reasonable assurance is not available, the soil shall be assumed to be contaminated with "off-spec" material.

17. Only soils contaminated with petroleum products (gasoline, Nos. 2-6 fuel, and motor oils) shall be treated in this unit unless otherwise approved by the Bureau of Air Regulation.

Hazardous waste as defined in 40 CFR 261.3 shall not be processed by this unit.

Metals in the soils to be treated shall not exceed the following:

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

SPECIFIC CONDITIONS:

<u>Metals</u>	<u>Maximum Concentration</u>	
	<u>TCLP(mg/L)</u>	<u>Total(mg/Kg)</u>
Arsenic	5.0	55
Barium	100.0	2750
Cadmium	1.0	55
Chromium	5.0	275
Lead	5.0	77
Mercury	0.2	17
Selenium	1.0	165
Silver	5.0	165

Total Volatile Organic Aromatics (VOA) constituent in the soil shall not exceed the concentrations that have the potential to exceed the Acceptable Ambient Concentration or the VOC emission limit for this unit (see Specific Conditions Nos. 5 and 19).

To show compliance with this condition, the permittee shall analyze composite samples of the contaminated soil (see Specific Condition No. 18) by the EPA SW 846 Methods, Test Method for Evaluating Solid Waste Physical/Chemical, for VOA (EPA Method 5030/8020), TRPH (EPA draft Method 9073), and Metals (EPA Method 1311, 3050, 6010, 7040, 7041, 7060, 7061, 7080, 7130, 7131, 7190, 7191, 7420, 7421, 7471, and 7760). All soil samples taken at the remediation site and from the soil exiting the dryer shall be stored in a sealed clean glass container immediately upon sampling.

18. The permittee may request, in writing, permission to treat materials not meeting the specifications in F.A.C. Rule 17-775. The request to the Division of Air Resources Management shall include the history of the soil to be treated, an analysis of the contaminants suspected to be in the soil, an estimate of the emissions from the unit while processing the soil, and calculations showing that the ambient air impact from the unit will not exceed the Acceptable Ambient Concentration for any toxic pollutant. Public notice may be required for Department as a part of Department review. The Department will approve or deny each request in writing on a case-by-case basis.

19. Sampling and analysis of the contaminated soil, based on the procedures prescribed in SW-846, shall be conducted prior to remediation. Minimum number of composite samples for analysis at each site prior to remediation shall be as follows:

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

SPECIFIC CONDITIONS:

<u>Soil Quantity (yards³)</u>	<u>No. of Composite Samples</u>
Less than 100	1
100 to 500	3
500 to 1000	5
Each additional 500 yds	1 additional sample

20. Unless the Department has determined other concentrations are required to protect public health and safety, predicted ambient air impact of any toxic pollutant, as determined by the PTPLU 6 model or other DARM approved models, shall not exceed the concentration calculated by the following formula:

$$AAC = \frac{40}{X} \cdot \frac{1}{\text{safety factor}} \cdot (\text{OEL})$$

where,

AAC = Acceptable Ambient Concentration

Safety Factor = 100 for category A substances and
50 for category B substances

X = 40 or the hours/week of actual operation,
whichever is larger

OEL - Occupational exposure level such as the TWA-TLV
published by the ACGIH, OSHA, and NIOSH published
standards for toxic materials.

TWA-TLV is the threshold limit value (8 hrs/day,
40 hrs/wk) maximum exposure concentration considered
safe for workers by the ACGIH.

Data in the application shows that, for continuous
operation, an emission of 1 gram/sec will have a maximum
ambient impact of 6.2×10^{-3} mg/m³ (1 hr.), 4.34×10^{-3}
mg/m³ (8 hr.), and 0.62×10^{-3} mg/m³ (annual). If the
stack parameters are different than the values listed in
the application, the permittee must determine and use the
actual impact factor calculated by the EPA Approved
Screen - 1.1 Model or other DARM approved models.

$$\text{Maximum Allowable Emissions (g/sec)} = \frac{\text{AAC mg/m}^3}{\text{Max. Impact of 1 g/s (mg/m}^3)}$$

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

SPECIFIC CONDITIONS:

21. Pressure drop across the dryer's baghouse and temperature of the afterburner shall be recorded continuously during soil decontamination operations. The instruments used to obtain these measurements shall be properly calibrated, maintained, and in operation any time the unit is in service. The baghouse and the afterburner must be fully operational, as demonstrated by continuous monitoring instrumentation on the unit, whenever the system is being used to decontaminate soil. The baghouse shall be fully operational when the system is being used to dry stone.

Compliance Requirements

22. This unit shall be tested at a process weight rate of 36 to 40 TPH. All compliance tests shall meet the requirements listed in F.A.C. Rule 17-2.700. The unit shall not operate above the maximum permitted rate of 40 TPH of contaminated soil.

23. When the Department, after investigation, has good reason (such as complaints, increased visible emissions, or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Chapter 17-2, F.A.C., or in this permit is being violated, it may require the owner or operator of the unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the Department.

24. The exhaust stack for this process must be tested concurrently for particulate matter and visible emissions by EPA Methods 5 and 9 pursuant to 40 CFR 60, Appendix A, revised as of July 1, 1990, within 30 days after placing the unit in commercial operation under this permit and annually thereafter. The initial test and any test data submitted with an application for permit to operate (every 5 years) shall include analysis of the filter and impinger catch for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver along with similar analysis of the contaminated and treated soil processed during the test.

25. The unit destruction efficiency, benzene, and VOC emissions shall be established by a material balance using process weight, soil analysis and either Method 18 or 25 test (40 CFR 60, Appendix A, revised as of July 1, 1990) or other methods as approved by the Department. The afterburner temperature that existed during the compliance test shall be specified as the minimum operation temperature in any permit to operate issued for this unit.

PERMITTEE:
Rinker Materials Corporation

Permit Number: AC 13-187599
Expiration Date: March 30, 1992

SPECIFIC CONDITIONS:

Administrative Requirements

26. This permit requires compliance with any applicable local (county) regulations. This may include requirements for a county operation permit.

27. The Southeast District shall be notified in writing at least 15 days in advance of any annual compliance test to be conducted on this source.

28. Any analysis required by Specific Condition No. 17 which indicates a violation of any condition in this permit shall be reported as soon as feasible to the Southeast District. An average concentration of benzene above 1,600 ppm in the soil or total hydrocarbons above 6,000 ppm or metal concentrations above that listed in Specific Condition No. 17 is a potential violation of this permit. The soil may be decontaminated by operating at less than the 40 TPH production rate, or other means, with prior approval of the Department. The permittee must propose the method of compliance with this permit. The burning of waste oil containing more than 500 ppm lead is prohibited by this permit.

29. Records shall be kept by the permittee on the location, date, time, and number of samples taken for each composite sample. Soil analysis results shall be available for Department inspection for minimum of 3 years.

30. Stack test results for PM and VOC shall be submitted to the Department (Southeast District) within 45 days of the test.

31. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

32. An application for an operation permit must be submitted to the Southeast District at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed

PERMITTEE:
Rinker Materials Corporation

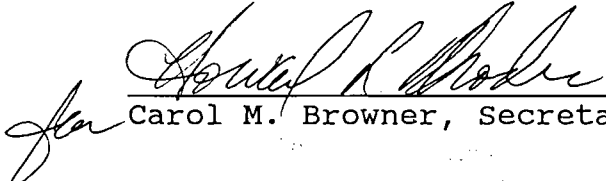
Permit Number: AC 13-187599
Expiration Date: March 30, 1992

SPECIFIC CONDITIONS:

noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rule 17-4.220).

Issued this 23 day
of September, 1991

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



for Carol M. Browner, Secretary



DATE

WEST PALM BEACH, FLORIDA 33402

February 27, 1986

FIRST WITH THE BEST 100 dollars 00 cents

Amount of Check
\$100.00

PAY TO THE ORDER OF

Florida Department of Environmental Regulation

RINKER MATERIALS CORPORATION

Reba J. Hall

516
11-85

CEMENT • AGGREGATE • BUILDING MATERIALS • REAL ESTATE

118351 01



EXPLANATION CODES

- 01 WILL PAY LATER
- 02 PRICE ERROR
- 03 TAX EXEMPT ITEMS
- 04 TAX ERROR
- 05 NOT TAX EXEMPT ITEMS
- 06 INVOICE MISSING
- 07 STATEMENT ERROR
- 08 DO NOT PAY FINANCE CHARGE
- 09 EXTENSION ERROR
- 10 DISCOUNT

An additional fee for Air Pollution Operation Permit for #4 & #5 finish mills

DER

MAR 5 1986

BAQM

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

No. 76113

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Rinker Materials Corp. Date March 5, 1986

Address P.O. Drawer K, West Palm Beach, FL 33402 Dollars \$ 100.00

Applicant Name & Address Same as above

Source of Revenue _____

Revenue Code 061031 Application Number AC 13-119141

By Patricia A. Adams

Check Sheet

Company Name: Rinker Portland Cement Materials Corporation
 Permit Number: ACB-098946
 PSD Number: _____
 Permit Engineer: _____

Application:

- | | |
|------------------------------------------------------------|--------------------------|
| <input checked="" type="checkbox"/> Initial Application | Cross References: |
| <input checked="" type="checkbox"/> Incompleteness Letters | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Responses | <input type="checkbox"/> |
| <input type="checkbox"/> Waiver of Department Action | <input type="checkbox"/> |
| <input type="checkbox"/> Department Response | |
| <input type="checkbox"/> Other | |

Intent:

- Intent to Issue
- Notice of Intent to Issue
- Technical Evaluation
- BACT or LAER Determination
- Unsigned Permit
 - Correspondence with:
 - EPA
 - Park Services
 - Other
- Proof of Publication
 - Petitions - (Related to extensions, hearings, etc.)
 - Waiver of Department Action
 - Other

Final

Determination:

- Final Determination
- Signed Permit
- BACT or LAER Determination
- Other

Post Permit Correspondence:

- Extensions/Amendments/Modifications
- Other



STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

Willard

December 17, 1992

Mr. Don Turner
Environmental Manager
Rinker Materials Corp.
P.O. Box 24635
West Palm Beach, Florida 33416

Re: Air Pollution Source Inspection - At your Riviera Beach
Block Plant Located at 501 Avenue "S" Rivera Beach, FL.
DER Permit: A050-143483
Palm Beach County License No. 7104000483

Dear Mr. Turner:

Representatives of the Palm Beach County Public Health Unit conducted an inspection of your facility on December 7, 1992. Observations made by our inspector(s) indicate that only the following item(s) may require your attention:

- (1) The FDER Air Pollution source Permit #A050-143483 for this facility Expires on January 1, 1993. Please submit a Permit renewal Application (Enclosed) to:

Stephanie Brooks, P.E.
Air Pollution Control Program
DER Southeast District
1900 S. Congress Avenue
West Palm Beach, Florida 33406

Please see that the item(s) noted above is completed as soon as possible. Also, contact our office to schedule a reinspection.

Thank you for your cooperation in this matter. We look forward to your continued assistance in maintaining and improving the air quality in Palm Beach County. If you have any questions please call us at (407) 355-3070.

Sincerely,

For the Division Director
Environmental Science & Engineering

James E. Stormer, Administrator
Air Pollution Control Section

FJG/JES/RBM/lh

cc: Florida Department of Environmental Regulation
Source File



ENVIRONMENTAL RESOURCES MANAGEMENT
SUITE 1310
111 N.W. 1st STREET
MIAMI, FLORIDA 33128-1971
(305) 375-3376

January 31, 1989

RECEIVED
FEB 10 1989
DER-BAQ

Bill Thomas
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Trial Burn of Contaminated Soil at Rinker Portland Cement Plant

Dear Mr. Thomas:

We have received a copy of a recent letter written to you by John Koogler, P.E., consultant to Rinker Portland Cement Corporation, regarding a trial burn for processing creosote contaminated soil.

Mr. Koogler advised of Rinker's interest in processing soils contaminated with tar and creosote and stated that the trial test was to establish dryer operating conditions and determine physical characteristics of the gases that would be driven off. He sought approval to process up to 1,200 tons of soil during the trial burn.

On several occasions Rinker Portland Cement Corporation has been given approval by this office to include various hazardous materials in their kiln feed while processing cement. Requests for these approvals are however too frequent which gives the impression that this type activity is conducted on a regular basis. For this reason we question whether their operation constitutes circumvention of the hazardous waste incinerator requirement.

Please contact me with your feeling on this matter.

Sincerely,

Eward Anderson

for H. Patrick Wong
Chief, Air Section
Environmental Monitoring Division

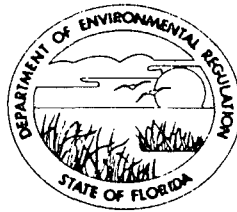
ELA/aas

2/14 Discussed background on this with Eward & intent to then tie to kiln as next step. He was in agreement & will pass on to Pat.

BT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

February 10, 1987

Mr. W. D. Gabbard, Manager
Regulatory Compliance
McKesson Envirosystems Company
127 West Berry Street
200 Commerce Building
Ft. Wayne, Indiana 46802

Dear Mr. Gabbard:

Re: January 6, 1987, Request for a Copy of Rinker SE
Material Files

All except confidential files of the Department of Environmental Regulation are available for public inspection. The Bureau of Air Quality Management in Tallahassee has issued two permits to reactivate two mills at Rinker's Cement Facility near Miami, Florida. Copies of all permits to operate this facility are on file in the Department's Southeast District office located at 3301 Gun Club Road (P. O. Box 3858), West Palm Beach, Florida. You are welcome to inspect these files during normal working hours anytime you are in the area.

Copies of the files can be obtained for the cost of duplication. The cost of duplicating the two permits issued to Rinker by the Bureau would be \$16.50. We will be glad to send you a copy of these files on receipt of a check, payable to the Florida Department of Environmental Regulation, for that amount. You will need to contact the Southeast District office to determine the cost of duplicating the permits to operate the Rinker facility.

Sincerely,

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality Management

CHF/WH/s

cc: I. Goldman

attachment

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ADMINISTRATIVE SERVICES INTERNAL MANAGEMENT POLICIES AND PROCEDURES

SECTION: 2.10
SUBJECT: Charge for Photocopies
AUTHORITY: Article VII, Section 10, Constitution of Florida; Section 119.07, Florida Statutes; Section 17-1.64, Florida Administrative Code; the Secretary

POLICY:

The department shall furnish copies of public records upon payment of actual cost of duplication. When reproduction of records requires extensive clerical or supervisory assistance, the department may charge an additional reasonable fee based on the actual salary rate of the personnel providing the service. Reproduction requests totaling 100 copies or which require in excess of 30 minutes of an employee's time shall be presumed to require extensive personnel services.

2.10.1 Rates

The charge for photocopies of public records and for all photocopies not directly related to the official duties of the department shall be \$.05 per page. In order to provide a uniform method of billing for personnel time when more than 100 copies are made or when more than 30 minutes is required to make copies, the charge for extensive assistance shall be based on the total salary cost of the employee who actually makes the copies or performs the related work, and calculated as follows:

The employee's monthly salary divided by 174 hours equals the employee's hourly rate. The hourly rate multiplied by 1.375 equals total hourly salary cost including fringe benefits. The total hourly salary cost multiplied by the hours or fraction thereof spent on the photocopy assignment equals the additional charge for extensive personnel services.

Exhibit 2.10A contains a worksheet for computing photocopy charges. A completed copy of the worksheet computation should accompany all photocopy collections transmitted to the Bureau of Accounting and Budgeting.

2.10.2 Collection of Photocopy Charges

When photocopies are made for private firms and individuals, the money must be collected at the time the photocopies are delivered. Photocopies shall not be delivered to private firms and individuals prior to collection of the appropriate amount. If governmental agencies are to be charged for photocopies, it is permissible to bill them using pre-numbered invoice forms available from the Bureau of Accounting and Budgeting.

All funds collected for photocopies shall be processed and accounted for in accordance with the provisions of Section 2.6 of the DER IMP Manual.

McKesson

January 6, 1987

DER

JAN 9 1987

BAQM

Florida Department of
Environmental Protection
Air Permit Division
2600 Blair Stone Road
Tallahassee, Florida 32301

RE: Freedom-of-Information Request

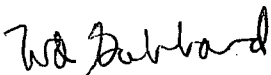
Gentlemen:

We hereby make a request, under the Freedom-of-Information Act,
to receive one copy of the following documents:

- Clean Air Act/Prevention of Significant Deterioration/
Permit to Construct/Permit to Operate (as appropriate)
and/or Air Quality Permit Application for the below
listed facility:
 - Rinker SE Materials
13292 NW 118th Avenue
Miami, Florida

Kindly send these documents to my attention in Fort Wayne. Thank
you for the cooperation.

Sincerely,



W.D. Gabbard, Manager
Regulatory Compliance

gv

P 408 532 031

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Mr. Dale A. Konigsburg	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
7/31/86	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983

WEST PALM BEACH, FL 33402

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.
Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. How to whom, date and address of delivery.
2. Restricted Delivery.

3. Article Addressed to:
Mr. Dale A. Konigsburg
Rinker Materials Corp.
P. O. Drawer K
West Palm Beach, FL33402

A. Type of Service:		Article Number
<input type="checkbox"/> Registered	<input type="checkbox"/> Insured	P 408 532 031
<input checked="" type="checkbox"/> Certified	<input type="checkbox"/> COD	
<input type="checkbox"/> Express Mail		

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

WEST PALM BEACH, FL MAIN OFFICE 33402

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. Dale A. Konigsburg
Environmental Engineer
Rinker Materials Corporation
Post Office Drawer K
West Palm Beach, Florida 33402

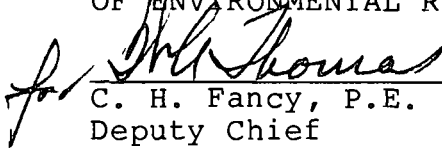
July 31, 1986

Enclosed are Permit Numbers AC 13-098946, and AC 13-117141 to Rinker Materials Corporation to reactivate the existing No. 4 and No. 5 grinding units at your facility in unincorporated Dade County, Florida. These permits are issued pursuant to Section 403, Florida Statutes.

Any Party to these permits has the right to seek judicial review of the permits pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301; 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 days from the date these permits are filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Copies furnished to:

John C. Lissenden, P.E.
Isidore Goldman
Patrick Wong

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on July 31, 1986 to the listed persons.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Patricia B. Adams July 31, 1986
Clerk Date

Final Determination

Rinker Materials Corporation
Unincorporated Dade County

Finish Mill No. 4/Permit No. AC 13-098946
Finish Mill No. 5/Permit No. AC 13-117141

Florida Department Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

July 30, 1986

Final Determination
Rinker Materials Corporation

The Technical Evaluation and Preliminary Determination for the reactivation of the existing Nos. 4 and 5 grinding units was distributed on April 30, 1986. Copies of the evaluation were available for public inspection at Department's offices in Tallahassee and West Palm Beach and Dade County's Department of Environmental Resources Management office in Miami. The Notice of Proposed Agency Action on the permit applications was published in the Miami Review on May 30, 1986.

The Southeast District office questioned why a construction permit was required for the reactivated sources and why they were not subject to the new source performance standards. Rule 17-2.210, FAC, requires permits for all nonexempt air pollution sources. As these sources were never permitted (Section II.D of application), permits are required prior to reconstruction. The equipment was not subject to new source performance standards for Portland cement plants (40 CFR 60, Subpart F) because it was installed and operated at this site around 1958 which is prior to the promulgation of the NSPS (August 17, 1971). The Bureau expects the emissions from the mills to be similar to those that existed during prior operations. No other comments were received on our intent to issue the permits.

The final action of the Department will be to issue the construction permits as proposed in the Technical Evaluation and Preliminary Determination.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
Rinker Portland Cement Corp.
P. O. Drawer K
West Palm Beach, FL 33402

Permit Number: AC 13-098946
Expiration Date: December 31, 1986
County: Dade
Latitude/Longitude: 25° 46' 48" N
80° 25' 10" W
Project: No. 4 Finish Mill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the reactivation of the 17 TPH No. 4 finish mill, air particle separator, cement pump, two dust collectors, and associated material handling equipment. This process equipment is located at the permittee's existing plant at 1200 NW 137th Avenue in unincorporated Dade County. The UTM coordinates of the plant are zone 17, 558.2 km E and 2851.3 km N.

The modification shall be in accordance with the attached permit application, plans, documents, and drawing except as noted in the specific conditions of this permit.

Attachment:

1. Application to Construct Air Pollution Sources, DER form 17-1.202(1), received January 31, 1985.
2. DER letter dated February 28, 1985.
3. Rinker letter dated January 30, 1986.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: December 31, 1986

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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 any vested rights or any exclusive privileges. Nor 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 does not constitute a waiver of 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 acknowledgement 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: December 31, 1986

GENERAL CONDITIONS:

6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: December 31, 1986

GENERAL CONDITIONS:

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 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 arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD).
- () Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: December 31, 1986

GENERAL CONDITIONS:

b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. Raw material feed to the No. 4 finish mill shall not exceed 17 TPH (total) of clinker, gypsum, and flyash.

2. Particulate matter emissions from both baghouses serving this mill shall not exceed 0.05 lb/hr as determined by EPA Method 5, which is described in 40 CFR 60, Appendix A.

PERMITTEE:
Rinker Portland Cement Corp.

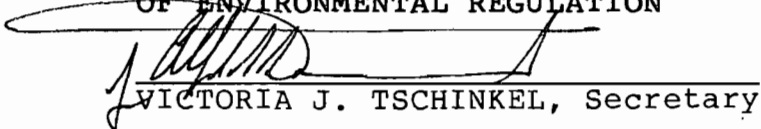
Permit Number: AC 13-098946
Expiration Date: December 31, 1986

SPECIFIC CONDITIONS:

3. Visible emissions from both dust collectors and all process and material handling equipment covered by this permit shall not exceed 5 percent opacity, 6 minute average, as determined by Method 9 which is described in 40 CFR 60, Appendix A.
4. A particulate matter emissions test will not be required if visible emissions are less than 5 percent opacity.
5. The finish mill shall not be operated unless all components of the air pollution control system are operating properly.
6. Any leaks in the air pollution control system shall be repaired promptly.
7. The finish mill may operate continuously - 8,760 hours per year.
8. The permittee will demonstrate compliance with the conditions of this construction permit and submit a complete application for permit to operate to the Southeast Florida District office at least 90 days prior to the October 31, 1986, expiration date of this construction permit or 60 days after the finish mill is placed back in service, whichever date occurs first. The permittee may continue to operate in compliance with all terms of this construction permit until its expiration date. Commercial operation of this source is not authorized unless it is in compliance with all conditions of this permit.
9. Any permit to operate this finish mill shall require an annual operation report which shall include, as a minimum, a recent visible emissions test report on the mill.

Issued this 30 day of July, 1986.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
Rinker Portland Cement Corp.
P. O. Drawer K
West Palm Beach, FL 33402

Permit Number: AC 13-117141
Expiration Date: December 31, 1986
County: Dade
Latitude/Longitude: 25° 46' 48" N
80° 25' 10" W
Project: No. 5 Finish Mill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the reactivation of the 27 TPH No. 5 finish mill, air particle separator, cement pump, two dust collectors, and associated material handling equipment. This process equipment is located at the permittee's existing plant at 1200 NW 137th Avenue in unincorporated Dade County. The UTM coordinates of the plant are zone 17, 558.2 km E and 2851.3 km N.

The modification shall be in accordance with the attached permit application, plans, documents, and drawing except as noted in the specific conditions of this permit.

Attachment:

1. Application to Construct Air Pollution Sources, DER form 17-1.202(1), received January 31, 1985.
2. DER letter dated February 28, 1985.
3. Rinker letter dated January 30, 1986.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: December 31, 1986

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

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 any vested rights or any exclusive privileges. Nor 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 does not constitute a waiver of 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 acknowledgement 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: December 31, 1986

GENERAL CONDITIONS:

6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: December 31, 1986

GENERAL CONDITIONS:

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 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 arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD).
- () Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: December 31, 1986

GENERAL CONDITIONS:

- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

- 1. Raw material feed to the No. 5 finish mill shall not exceed 27 TPH (total) of clinker and gypsum.
- 2. Particulate matter emissions from both baghouses serving this mill shall not exceed 0.08 lb/hr as determined by EPA Method 5, which is described in 40 CFR 60, Appendix A.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: December 31, 1986

SPECIFIC CONDITIONS:

3. Visible emissions from both dust collectors and all process and material handling equipment covered by this permit shall not exceed 5 percent opacity, 6 minute average, as determined by Method 9 which is described in 40 CFR 60, Appendix A.
4. A particulate matter emissions test will not be required if visible emissions are less than 5 percent opacity.
5. The finish mill shall not be operated unless all components of the air pollution control system are operating properly.
6. Any leaks in the air pollution control system shall be repaired promptly.
7. The finish mill may operate continuously - 8,760 hours per year.
8. The permittee will demonstrate compliance with the conditions of this construction permit and submit a complete application for permit to operate to the Southeast Florida District office at least 90 days prior to the October 31, 1986, expiration date of this construction permit or 60 days after the finish mill is placed back in service, whichever date occurs first. The permittee may continue to operate in compliance with all terms of this construction permit until its expiration date. Commercial operation of this source is not authorized unless it is in compliance with all conditions of this permit.
9. Any permit to operate this finish mill shall require an annual operation report which shall include, as a minimum, a recent visible emissions test report on the mill.

Issued this 30th day of July, 19 86.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION



Interoffice Memorandum

TO: Victoria J. Tschinkel
FROM: *for* Clair Fancy *[Signature]*
DATE: July 30, 1986

FOR ROUTING TO OTHER THAN THE ADDRESSEE			
To:	_____	LOC:	_____
To:	_____	LOC:	_____
To:	_____	LOC:	_____
FROM:	_____	DATE:	_____

RECEIVED

JUL 30 1986

SUBJ: Approval of Air Construction Permits

Office of the Secretary

Attached for your approval and signature are two air construction permits to Rinker Materials Corporation to reactivate the existing No. 4 and No. 5 grinding units at the applicant's facility in unincorporated Dade County, Florida.

Day 90, after which the permits would be issued by default, is August 18, 1986.

The Bureau recommends your approval and signature.

CF/pa

Attachment



BLOCKS — CONCRETE — STEEL — BUILDING SUPPLIES

P. O. DRAWER K WEST PALM BEACH, FLORIDA 33402 TELEPHONE (305) 833-5555

LETTER OF TRANSMITTAL

SEP 2 1986
BAQM

TO: Bureau of Air Quality Management
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32301-8241

DATE: June 28, 1986
ATTN: C.H. Fancy, PE, Deputy Chief
RE: Proof of Publication
AC 13-098946
AC 13-117141

GENTLEMEN:

WE ARE SENDING YOU Attached Under separate cover via _____
the following items:
 Contracts Prints Specifications
 Change Order _____

COPIES	DESCRIPTION
1	Copy of Publication AC-13-098946
	AC-13-117141
	Rinker Portland Cement Finish Grinding Units

THESE ARE TRANSMITTED as checked below:

For approval For your use For review and comment
 As requested _____

REMARKS The delay in getting this to you resulted from the original being lost
in the mail between the Miami Review and RMC.

cc: _____

Dale A. Konigsburg
Dale A. Konigsburg, Environmental Engineer

State of Florida
Department of Environmental
Regulation
Notice of Intent

The Department gives notice of its intent to issue permits to Rinker Portland Cement Corporation to reactivate the existing No. 4 and No. 5 grinding units at their cement manufacturing facility that is located at 1200 NW 137th Avenue in unincorporated Dade County, Florida. A determination of best available control technology (BACT) was not required.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

The application 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 Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32301

Dept. of Environmental Regulation
Southeast Florida District
3301 Gun Club Road
West Palm Beach, Florida 33402

Dade County Dept. of Environmental Resources Management
801 S.W. 3rd Avenue
Miami, Florida 33131

Any person may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.

MIAMI REVIEW

Published Daily except Saturday, Sunday and
Legal Holidays

Miami, Dade County, Florida.

STATE OF FLORIDA
COUNTY OF DADE:

Before the undersigned authority personally appeared Sookie Williams, who on oath says that she is the Vice President of Legal Advertising of the Miami Review and Daily Record, a daily (except Saturday, Sunday and Legal Holidays) newspaper, published at Miami in Dade County, Florida; that the attached copy of advertisement, being a Legal Advertisement of Notice in the matter of

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION
NOTICE OF INTENT
1200 NW 137th Avenue

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

MAY 30, 1986

Affiant further says that the said Miami Review and Daily Record is a newspaper published at Miami in said Dade County, Florida, and that the said newspaper has heretofore been continuously published in said 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 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 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.

Sookie Williams

Sworn to and subscribed before me this

26th day of June, A.D. 1986

Sonia Halligan
Notary Public, State of Florida at Large

(SEAL)
My Commission expires December 23, 1986.



BLOCKS — CONCRETE — STEEL — BUILDING SUPPLIES

P. O. DRAWER K WEST PALM BEACH, FLORIDA 33402 TELEPHONE (305) 833-5555

May 28, 1986

DER
MAY 30 1986
BAQM

Miami Review, Inc.
100 N.E. 7th Street
Miami, FL 33132

Re: Legal Advertisement

Gentlemen:

Enclosed please find a legal ad we would like to have published one time in the Miami Review. Please be kind enough to place this ad in your next edition and send us a written invoice with a notarized proof of publication.

If you have any questions or comments, please contact us. Your cooperation in this matter is appreciated.

Sincerely,

Dale A. Konigsburg
Corporate Attorney

DAK:ml
Enclosure

cc: C. H. Fancy, P.E., Deputy Chief
Bureau of Air Quality Management

P 408 533 199
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sent to Mr. Dale A. Konigsburg	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date 4/30/86	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.
 Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
 Mr. Dale A. Konigsburg
 Rinker Portland Cement Corp.
 Post Office Drawer K
 West Palm Beach, FL 33402

4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	Article Number P 408 533 199
------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
 X *Dale A. Konigsburg*

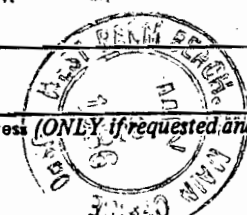
6. Signature - Agent
 X

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

DEP MAY 5 1986 BAQM

DOMESTIC RETURN RECEIPT



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

April 28, 1986

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

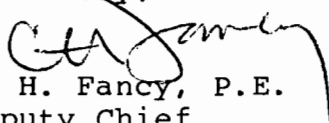
Mr. Dale A. Konigsburg
Environmental Engineer
Rinker Portland Cement Corporation
Post Office Drawer K
West Palm Beach, Florida 33402

Dear Mr. Konigsburg:

Attached is one copy of the Technical Evaluation and Preliminary Determination, and proposed permits to reactivate the existing No. 4 and No. 5 grinding units at your cement manufacturing facility located in unincorporated Dade County, Florida.

Please submit, in writing, any comments which you wish to have considered concerning the department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,


C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/pa

Attachments

cc: John C. Lissenden, P.E.
Isidore Goldman
Patrick Wong

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department gives notice of its intent to issue permits to Rinker Portland Cement Corporation to reactivate the existing No. 4 and No. 5 grinding units at their cement manufacturing facility that is located at 1200 NW 137th Avenue in unincorporated Dade County, Florida. A determination of best available control technology (BACT) was not required.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

The application 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 Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32301

Dept. of Environmental Regulation
Southeast Florida District
3301 Gun Club Road
West Palm Beach, Florida 33402

Dade County Dept. of Environmental Resources Management
801 S.W. 3rd Avenue
Miami, Florida 33131

Any person may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

Rinker Portland Cement Corporation
Post Office Drawer K
West Palm Beach, Florida 33402

DER File No. AC 13-098946
AC 13-117141

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue permits (copies attached) for the proposed project as detailed in the applications specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Rinker Portland Cement Corporation, applied on January 31, 1985, to the Department of Environmental Regulation for permits to reactivate the existing No. 4 and No. 5 grinding units at their cement manufacturing facility located in unincorporated Dade County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes and Florida Administrative Code Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that air construction permits were needed for the proposed work.

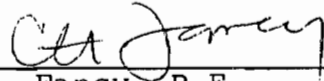
Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, FAC, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit application. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of

the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits.

The Department will issue the permits with the attached conditions unless petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S. A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. Petitions must comply with the requirement of Florida Administrative Code Rules 17-103.155 and 28-5.201 (copies enclosed) and be filed with (received by) the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32301-8241. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes, concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Copies furnished to:

Mr. Dale A. Konigsburg
Mr. John C. Lissenden, P.E.
Mr. Isidore Goldman
Mr. Patrick Wong

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on April 30, 1986.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Patricia G. Adams April 30, 1986
Clerk Date

RULES OF THE ADMINISTRATIVE COMMISSION
MODEL RULES OF PROCEDURE
CHAPTER 28-5
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
 - (a) The name and address of each agency affected and each agency's file or identification number, if known;
 - (b) The name and address of the petitioner or petitioners;
 - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
 - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
 - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
 - (f) A demand for the relief to which the petitioner deems himself entitled; and
 - (g) Such other information which the petitioner contends is material.

DER1985 RULES OF ADMINISTRATIVE PROCEDURE - NON-RULEMAKING 17-103

of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to an administrative determination (hearing) under Section 120.57, F.S.

(4) Notice to substantially affected persons concerning applications for Department permits is an essential and integral part of the state environmental licensing process. Therefore, no application for a permit for which publication of notice is required shall be granted until and unless proof of publication of Notice is furnished to the appropriate Department permitting office.

(5)(a) Any applicant or person benefiting from the Department's action may elect to publish notice of proposed agency action in the manner provided by subsection (2) or (3). Any person who elects to publish notice of proposed agency action, upon presentation of proof of publication to the Department, prior to final agency action, shall be entitled to the same benefits under this rule as a person who is required to publish notice of proposed agency action. Since persons whose substantial interests are affected by a Department decision on a permit application may petition for an administrative proceeding within fourteen (14) days after receipt of notice and since, unless notice is given or published as prescribed in this rule, receipt of notice can occur at any time, the applicant or persons benefiting from the Department's action cannot justifiably rely on the finality of

the Department's decision without the notice having been duly given or published.

(b) The notices required by this rule may be combined with other notices required by the Department pursuant to Chapter 403, 376, or 253, F.S., or Chapter 17, FAC.

(c) The provisions of this section shall also apply to the permitting of hazardous waste facilities, but only to the extent it is consistent with Chapter 17-30, Part IV, FAC. Whenever Chapter 17-30, Part IV, FAC, provides for a different time or notice procedure than that set forth in this section the time and notice provisions of Chapter 17-30 shall govern.

(6) Failure to publish any notice of application, notice of proposed agency action, or notice of agency action required by the Department shall be an independent basis for the denial of a permit.
Specific Authority: 120.53, 403.0876, 403.815, F.S. Law Implemented: 120.53, F.S.
History: New 9-20-79, Amended 4-28-81, Transferred from 17-1.62 and Amended 6-1-84.

17-103.155 Petition for Administrative Hearing; Waiver of Right to Administrative Proceeding.

(1)(a) Any person whose substantial interests may be affected by proposed or final agency action may file a petition for administrative proceeding. A petition shall be in the form required by this Chapter and Chapter 28-5, FAC, and shall be filed (received) in the Office of General Counsel of the Department within fourteen (14) days of receipt of notice of proposed agency action or within fourteen (14) days of receipt of notice of

17-103.150(3)(d) -- 17-103.155(1)(a)

DER1985 RULES OF ADMINISTRATIVE PROCEDURE - NON-RULEMAKING 17-103

agency action whenever there is no public notice of proposed agency action. In addition to the requirements of Rule 28-5.201, FAC, the Petition must specify the county in which the project is or will be located.

(b) Failure to file a petition within fourteen (14) days of receipt of notice of agency action or fourteen (14) days of receipt of notice of proposed agency action, whichever notice first occurs, shall constitute a waiver of any right to request an administrative proceeding under Chapter 120, F.S.

(c) When there has been no publication of notice of agency action or notice of proposed agency action as prescribed in Rule 17-103.150, FAC, a person who has actual knowledge of the agency action or has knowledge which would lead a reasonable person to conclude that the Department has taken final agency action, has a duty to make further inquiry within fourteen (14) days of obtaining such knowledge by contacting the Department to ascertain whether action has occurred. The Department shall upon receipt of such an inquiry, if agency action has occurred, promptly provide the person with notice as prescribed by Rule 17-103.150, FAC. Failure of the person to make inquiry with the Department within fourteen (14) days after obtaining such knowledge may estop the person from obtaining an administrative proceeding on the agency action.

(2)(a) "Receipt of notice of agency action" means receipt of written notice of final agency action, as prescribed by Department rule, or the publication, pursuant to Department rule, of notice of final agency action, whichever first

occurs.

(b) "Receipt of notice of proposed agency action" means receipt of written notice (such as a letter of intent) that the Department proposes to take certain action, or the publication pursuant to Department rule of notice of proposed agency action, whichever first occurs.

(3) Notwithstanding any other provision in this Chapter, should a substantially affected person who fails to timely request a hearing under Section 120.57, F.S., administratively appeal the final Department action or order, the record on appeal should be limited to:

(a) the application, and accompanying documentation submitted by the applicant prior to the issuance of the agency's intent to issue or deny the requested permit.

(b) the materials and information relied upon by the agency in determining the final agency action or order;

(c) any notices issued or published; and

(d) the final agency action or order entered concerning the permit application.

(4) In such cases where persons do not timely exercise their rights accorded by Section 120.57(1), Florida Statutes, the allegations of fact contained in or incorporated by the final agency action shall be deemed uncontested and true, and appellants may not dispute the truth of such allegations upon subsequent appeal.

(5) Any applicant may challenge the Department's request for additional information by filing with the Office of General Counsel an appropriate petition for administrative proceeding pursuant to Section 120.60, F.S., following receipt by

the applicant of the Department's notification, pursuant to Section 403.0876, F.S., that additional information is required.

Specific Authority: 120.53, 403.0876, 403.815, F.S. Law Implemented: 120.53, F.S.

History: New 9-20-79, Amended 4-28-81, Transferred from 17-1.62 and Amended 6-1-84.

17-103.160 Uniformity in Approval and Denial of Applications for Department Permits and Certifications.

To the extent possible and consistent with the public interest, the Department approves and denies applications for permits and certifications on a uniform and consistent basis. Final Department actions on applications for permits and certifications shall be consistent with prior Department actions, unless deviation therefrom is explained by the Department in writing or the hearing officer who submits a recommended order to the Department for final agency action in accordance with Section 120.57, Florida Statutes.

Specific Authority: 120.53(1), F.S. Law Implemented: 120.53(1), 120.68(12), F.S. History: New 2-6-78, Transferred from 17-1.63, 6-1-84.

17-103.170 Designation, Preparation and Transmittal of Record for Administrative Appeals.

When any Department action or order is the subject of an administrative appeal under Chapter 17-103, Part II, FAC, the following requirements shall apply:

(1) Designation of Record. Within fifteen (15) days of rendition of the Department's final order, the appellant shall designate

to the Department, in writing, with copies to other parties, those documents or things under the control of or in the possession of the Department which the appellant desires to have included in the record, and which were received or considered in the Department proceeding below. If a proceeding was reported by mechanical recording devices, the appellant shall designate those portions of the proceeding for which it requires written transcription or tapes for transcription. Any other party may designate other portions of the record in the manner provided herein. Such cross-designation shall be filed with the Department, with copies provided other parties, within seven (7) days after receipt of the designation by the appellant.

(2) Original Record. The Department shall thereupon include in the record all of the designated portions of the original papers and exhibits in the proceedings or matter from which administrative appeal is taken, together with a copy of any such parts of the proceedings as were stenographically reported or transcribed from tapes, and as have been designated by the parties and certified by a notary public, the reporter, or other officer for inclusion in the record on appeal or review, and certified copies of the order, if any, of which review is sought. The Department may, at its discretion, substitute certified copies for original papers or documents in its possession.

(3) Preparation of Record. Upon tender or deposit by appellant of the estimated cost of preparation, the Department shall prepare the record in accordance with the designations of the parties. The cost of preparation, and reproduction,

Technical Evaluation
and
Preliminary Determination

Rinker Materials Corporation
Unincorporated Dade County

Finish Mill No. 4/File No. AC 13-098946
Finish Mill No. 5/File No. AC 13-117141

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

April 28, 1986

I. Application

A. Applicant

Rinker Portland Cement Corporation
P. O. Drawer K
West Palm Beach, Florida 33402

B. Request

On January 31, 1985, Mr. Dale A. Konigsburg, Environmental Engineer, submitted an application for permit to modify the operations of finish grinding units Nos. 4 and 5 at Rinker Materials Corporation's cement facility (SIC 3241). The application was considered complete on March 5, 1986.

C. Project and Location

Rinker Portland Cement Corporation has requested permission to reactivate the existing Nos. 4 and 5 grinding units at their cement manufacturing facility that is located at 1200 NW 137th Avenue in Unincorporated Dade County. The UTM coordinates of this site are zone 17, 558.2 km E and 2851.3 km N.

Each grinding unit contains a finish mill, an air particle separator, two dust collectors, a cement pump, and various material handling components (ducts, chutes, etc.).

In finish mill No. 4, 34,000 lb/hr of clinker, gypsum, and flyash will be ground and transferred to an air particle separator. The oversize particles will be returned to the mill and the fine size material will be transferred by a pneumatic conveyor to the finish product silos. Fugitive emissions at the entrance and the discharge of the mill will be controlled by two separate dust collectors.

Finish mill No. 5 is similar to finish mill No. 4. It will process 54,000 lb/hr of clinker and gypsum.

D. Air Pollutant Emissions

Fugitive dust emission from the entrance and discharge of each mill will be controlled by dust collectors. The collection efficiency of the dust collectors is estimated to be 99.99 percent. Particulate matter emissions from finish mills Nos. 4 and 5 are estimated to be 0.05 lb/hr (0.22 TPY) and 0.08 lb/hr (0.35 TPY), respectively. With particulate matter discharges this low, the dust collectors will have no visible emissions.

II. Rule Applicability

A. State Regulations

The proposed projects, reactivation of two finish mills whose particulate matter emissions are controlled by four dust collectors, are subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2, Florida Administrative Code.

The mills are located in an area designated nonattainment for ozone (Rule 17-2.410, FAC), and attainment for the other criteria pollutants.

Portland cement plants are listed in Table 500-1, Major Facility Categories (list of 28). The cement plant is a major facility (17-2.100) because the potential emissions of particulate matter and sulfur dioxide exceeds 100 TPY. However, the increase in emissions resulting from the proposed projects are less than the significant emission rates listed in Table 500-2, Regulated Air Pollutants-Significant Emission Rates.

The projects are not subject to the prevention of significant deterioration regulation (17-2.500) and new source review for nonattainment areas (17-2.510) because the modification does not result in a significant net emissions increase of any criteria pollutant (17-2.500(2)(d)4.a.(ii) and 17-2.510(2)(d)4.a.).

The projects will be reviewed under Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements. Allowable emissions will be based on the regulations for unconfined emissions for particulate matter, 17-2.610(3), which requires the use of reasonable precautions to minimize the emissions, and the emission limits requested by the applicant. An alternate test procedure of no visible emissions will be used to determine compliance for these sources (17-2.700(1)(d)6).

B. Federal Regulations

The proposed projects, minor modifications to a major source, are not subject to review under federal regulations because the modifications will not result in a significant net emissions increase of any criteria pollutant. The projects are not subject to new source performance standards for Portland cement plants (40 CFR 60, Subpart F) because only existing process equipment which was obtained in 1958 is involved in these modifications. Emissions from the reactivated equipment are expected to be similar to those that existed in prior operations.

III. Technical Evaluation

The mills will be minor sources of particulate matter emissions. Fugitive dust escapes at the entrance and discharge of the mills. This dust will be captured by hoods near the openings in the mills and the contaminated air will be filtered in dust collectors before being discharged to the atmosphere. The dust collectors are estimated to have capture efficiencies greater than 99 percent.

Emissions from both dust collectors on mill No. 4 are estimated to be 0.05 lb/hr. Emissions from both dust collectors on mill No. 5 are estimated to be 0.08 lb/hr. There should be no visible emissions associated with this low rate of particulate matter emissions. These systems meet the requirements for reasonable precautions for unconfined emissions.

IV. Air Quality Analysis

The proposed modifications will not result in a significant net emissions increase as set forth in Rule 17-2.500(2)(e)2., FAC. Therefore, no air quality analysis is required by the regulations. Screening analysis shows that, under worst circumstances, the emissions from the four dust collectors serving the two mills could have a 24-hour particulate matter impact of 20 ug/m³. This is approximately half of the allowable 24-hour increment for particulate matter.

V. Conclusion

Based on the data submitted by Rinker Portland Cement Corporation, the department has concluded that the particulate matter emissions caused by the reactivation of finish mills Nos. 4 and 5 will comply with the state regulations if the dust collectors are maintained and operated properly. The department proposes to issue construction permits to allow reactivation of the two mills. The General and Specific Conditions in the proposed permits (drafts attached) will assure compliance of the mills with the air pollution control regulations.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
Rinker Portland Cement Corp.
P. O. Drawer K
West Palm Beach, FL 33402

Permit Number: AC 13-117141
Expiration Date: October 31, 1986
County: Dade
Latitude/Longitude: 25° 46' 48" N
80° 25' 10" W
Project: No. 5 Finish Mill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the reactivation of the 27 TPH No. 5 finish mill, air particle separator, cement pump, two dust collectors, and associated material handling equipment. This process equipment is located at the permittee's existing plant at 1200 NW 137th Avenue in unincorporated Dade County. The UTM coordinates of the plant are zone 17, 558.2 km E and 2851.3 km N.

The modification shall be in accordance with the attached permit application, plans, documents, and drawing except as noted in the specific conditions of this permit.

Attachment:

1. Application to Construct Air Pollution Sources, DER form 17-1.202(1), received January 31, 1985.
2. DER letter dated February 28, 1985.
3. Rinker letter dated January 30, 1986.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: October 31, 1986

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

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 any vested rights or any exclusive privileges. Nor 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 does not constitute a waiver of 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 acknowledgement 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: October 31, 1986

GENERAL CONDITIONS:

6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: October 31, 1986

GENERAL CONDITIONS:

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 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 arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD).
- () Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: October 31, 1986

GENERAL CONDITIONS:

- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. Raw material feed to the No. 5 finish mill shall not exceed 27 TPH (total) of clinker and gypsum.
2. Particulate matter emissions from both baghouses serving this mill shall not exceed 0.08 lb/hr as determined by EPA Method 5, which is described in 40 CFR 60, Appendix A.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-117141
Expiration Date: October 31, 1986

SPECIFIC CONDITIONS:

3. Visible emissions from both dust collectors and all process and material handling equipment covered by this permit shall not exceed 5 percent opacity, 6 minute average, as determined by Method 9 which is described in 40 CFR 60, Appendix A.
4. A particulate matter emissions test will not be required if visible emissions are less than 5 percent opacity.
5. The finish mill shall not be operated unless all components of the air pollution control system are operating properly.
6. Any leaks in the air pollution control system shall be repaired promptly.
7. The finish mill may operate continuously - 8,760 hours per year.
8. The permittee will demonstrate compliance with the conditions of this construction permit and submit a complete application for permit to operate to the Southeast Florida District office at least 90 days prior to the October 31, 1986, expiration date of this construction permit or 60 days after the finish mill is placed back in service, whichever date occurs first. The permittee may continue to operate in compliance with all terms of this construction permit until its expiration date. Commercial operation of this source is not authorized unless it is in compliance with all conditions of this permit.
9. Any permit to operate this finish mill shall require an annual operation report which shall include, as a minimum, a recent visible emissions test report on the mill.

Issued this _____ day of _____, 19 ____.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

VICTORIA J. TSCHINKEL, Secretary

_____ pages attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
Rinker Portland Cement Corp.
P. O. Drawer K
West Palm Beach, FL 33402

Permit Number: AC 13-098946
Expiration Date: October 31, 1986
County: Dade
Latitude/Longitude: 25° 46' 48" N
80° 25' 10" W
Project: No. 4 Finish Mill

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the reactivation of the 17 TPH No. 4 finish mill, air particle separator, cement pump, two dust collectors, and associated material handling equipment. This process equipment is located at the permittee's existing plant at 1200 NW 137th Avenue in unincorporated Dade County. The UTM coordinates of the plant are zone 17, 558.2 km E and 2851.3 km N.

The modification shall be in accordance with the attached permit application, plans, documents, and drawing except as noted in the specific conditions of this permit.

Attachment:

1. Application to Construct Air Pollution Sources, DER form 17-1.202(1), received January 31, 1985.
2. DER letter dated February 28, 1985.
3. Rinker letter dated January 30, 1986.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: October 31, 1986

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

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 any vested rights or any exclusive privileges. Nor 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 does not constitute a waiver of 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 acknowledgement 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: October 31, 1986

GENERAL CONDITIONS:

6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: October 31, 1986

GENERAL CONDITIONS:

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 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 arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD).
- () Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: October 31, 1986

GENERAL CONDITIONS:

- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - 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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

- 1. Raw material feed to the No. 4 finish mill shall not exceed 17 TPH (total) of clinker, gypsum, and flyash.
- 2. Particulate matter emissions from both baghouses serving this mill shall not exceed 0.05 lb/hr as determined by EPA Method 5, which is described in 40 CFR 60, Appendix A.

PERMITTEE:
Rinker Portland Cement Corp.

Permit Number: AC 13-098946
Expiration Date: October 31, 1986

SPECIFIC CONDITIONS:

3. Visible emissions from both dust collectors and all process and material handling equipment covered by this permit shall not exceed 5 percent opacity, 6 minute average, as determined by Method 9 which is described in 40 CFR 60, Appendix A.
4. A particulate matter emissions test will not be required if visible emissions are less than 5 percent opacity.
5. The finish mill shall not be operated unless all components of the air pollution control system are operating properly.
6. Any leaks in the air pollution control system shall be repaired promptly.
7. The finish mill may operate continuously - 8,760 hours per year.
8. The permittee will demonstrate compliance with the conditions of this construction permit and submit a complete application for permit to operate to the Southeast Florida District office at least 90 days prior to the October 31, 1986, expiration date of this construction permit or 60 days after the finish mill is placed back in service, whichever date occurs first. The permittee may continue to operate in compliance with all terms of this construction permit until its expiration date. Commercial operation of this source is not authorized unless it is in compliance with all conditions of this permit.
9. Any permit to operate this finish mill shall require an annual operation report which shall include, as a minimum, a recent visible emissions test report on the mill.

Issued this _____ day of _____, 19 ____.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

VICTORIA J. TSCHINKEL, Secretary

_____ pages attached.



BLOCKS — CONCRETE — STEEL — BUILDING SUPPLIES

P. O. DRAWER K WEST PALM BEACH, FLORIDA 33402 TELEPHONE (305) 833-5555

LETTER OF TRANSMITTAL

TO: Florida Dept. of Env. Regulation
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, FL 32301-8241

DATE:	March 3, 1986
ATTN:	C. H. Fancy, P.E.
RE:	Permit Application No. AC13-098946

GENTLEMEN:

WE ARE SENDING YOU Attached Under separate cover via _____
the following items:
 Contracts Prints Specifications
 Change Order _____

COPIES	DESCRIPTION
1	Check dated 2/27/86 no. 010540 in the amount of \$100.00

098946 - Mill 4
117141 - " 5"

THESE ARE TRANSMITTED as checked below:

For approval For your use For review and comment
 As requested _____

DER

REMARKS _____ MAR 5 1986
_____ **BAQM**

cc: _____
D.A. Konigsburg
D. A. Konigsburg, Environmental Engineer

RECEIVED FEB 24 1986

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

February 21, 1986

Mr. Dale A. Konigsburg
Environmental Engineer
Rinker Portland Cement Corporation
P. O. Box 3303
West Palm Beach, Florida 33402

Dear Mr. Konigsburg:

Re: File No. AC 13-098946


We have reviewed the information supplied in your January 30, 1986, letter on the proposed modifications to the Nos. 4 and 5 finish mills.

The information shows that each mill is a separate and independent source of air pollution. Therefore, each mill modification will be reviewed separately. An additional application fee of \$100 (source less than 25 TPY) is required. Please submit a check, payable to the Department of Environmental Regulation, for this amount.

Tentatively, it appears each mill can be permitted at actual emissions (0.02 gr PM/cf) and 5 percent opacity. Emission standards based on the process weight table would subject the review to the Prevention of Significant Deterioration regulation and could result in more restrictive emission standards for the mills.

The Bureau will finalize its review after the additional application fee is received. If you have any questions on this matter, please call Willard Hanks at (904)488-1344.

Sincerely,


C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/WH/s

cc: I. Goldman
R. Rodon

DER

MAR 5 1986

BAQM

P 408 533 181
 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Dale A. Konigsburg	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date 2/21/86	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.
 2. Restricted Delivery.

3. Article Addressed to:
 Mr. Dale A. Konigsburg
 Rinker Portland Cement Corp.
 P. O. Box 3303
 West Palm Beach, FL 33402

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 408 533 181

Always obtain signature of addressee or agent and DATE DELIVERED.

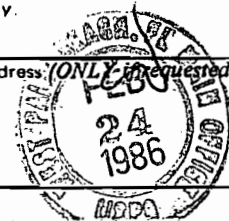
5. Signature — Addressee
 X *Dale Konigsburg*

6. Signature — Agent
 X

7. Date of Delivery

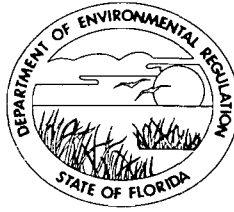
8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

February 21, 1986

Mr. Dale A. Konigsburg
Environmental Engineer
Rinker Portland Cement Corporation
P. O. Box 3303
West Palm Beach, Florida 33402

Dear Mr. Konigsburg:

Re: File No. AC 13-098946

We have reviewed the information supplied in your January 30, 1986, letter on the proposed modifications to the Nos. 4 and 5 finish mills.

The information shows that each mill is a separate and independent source of air pollution. Therefore, each mill modification will be reviewed separately. An additional application fee of \$100 (source less than 25 TPY) is required. Please submit a check, payable to the Department of Environmental Regulation, for this amount.

Tentatively, it appears each mill can be permitted at actual emissions (0.02 gr PM/cf) and 5 percent opacity. Emission standards based on the process weight table would subject the review to the Prevention of Significant Deterioration regulation and could result in more restrictive emission standards for the mills.

The Bureau will finalize its review after the additional application fee is received. If you have any questions on this matter, please call Willard Hanks at (904)488-1344.

Sincerely,

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/WH/s

cc: I. Goldman
R. Rodon

RINKER

FIRST WITH THE BEST

CEMENT DIVISION

ADMINISTRATIVE OFFICE - P. O. DRAWER K, WEST PALM BEACH, FLORIDA 33402, 305/833-5555

DER

January 30, 1986

FEB 5 1986

BAQM

Mr. C. H. Fancy, P.E.
Deputy Bureau Chief
Bureau of Air Quality Management
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32301-8241

RE: File No. AC13-098946

Dear Mr. Fancy:

The following is sent as a supplement to the above-referenced permit application per your letter of February 28, 1985:

1. The total process input rates and product weights are:

- #4 34,000#/hr.
- #5 54,000#/hr.

This is derived from design data.

2. The emissions are calculated using design rates and the dust collector efficiency:

- #4 17 T/hr. x 32 #/T x .0001 collection efficiency =
0.05 #/hr.
- #5 27 T/hr. x 32 #/T x .0001 collection efficiency =
0.08 #/hr.

3. Proof of actual emissions is accomplished by conducting a Visible Emissions Test with emissions being below 5% opacity.

4. The Mikro Pulsaire Models No. 144S-8 contain 144 felt filter fabric bags with a total of 1356 sq. ft. of total filter area per unit.

***** TERMINAL SALES *****
RINKER PORTLAND CEMENT MILL TERMINAL, MIAMI, FLORIDA 1-800-432-7072
PORT EVERGLADES, FORT LAUDERDALE, FLORIDA 305/523-9683
PORT CANAVERAL, CAPE CANAVERAL, FLORIDA 305/783-1261

At 7600 ACFM the air to cloth ratio is $7600/1356 = 5.6$

At 6,000 ACFM the air to cloth ratio is $6000/1356 = 4.4$

The serial numbers of the two dust collectors provided to serve finish mill #5 are 840246H1 and 840246H2.

5. The stated efficiency is given by the manufacturer as 99.99% with stack visibility clear at all times. Rinker's experience with fabric filter dust collectors verifies the maintenance of a clear stack.
6. The Rinker Portland Cement mill currently has the following Florida Department of Environmental Regulation Permit numbers:
 - A. AO13-47387 E. and W. Silo Baghouses, Stone Dryer
 - B. AO13-074101 Kiln precipitators and coolers baghouses
 - C. AO13-095738 Packhouse and silo baghouses
 - D. AO13-097807 Grinding mills and silo baghouses
7. The RPCC kilns have a process rate of approximately 56 tons per hr. and have an emission of approximately $24\#/hr \times 24 \text{ hr/day} \times 365 \text{ days/yr} \times \text{ton}/2000\# \times 0.9$ availability factor = 71 tons/yr.

All the other permitted sources are controlled by fabric filter type dust collectors and operate normally in the 0% to 5% opacity range.

8. It is anticipated that the use of the #4 and #5 finish mills will reduce the amount of time the older #1, #2 and #3 finish mills are operated. Please note that the mill production is not being increased by the addition of these grinding mills.
9. The input and output rates for the #4 finish mill are 34,000 #/hr.

The input and output rates for the #5 finish mill are 54,000 #/hr. Flyash is not normally currently used in the #5 finish mill.
10. There is no air pollution equipment between the finish mills and the baghouses.


The air particle separator is not a pollution control device. It is a piece of equipment used in the grinding process to separate and recycle to the grinding mill the oversize cement.

Mr. C. H. Fancy, P.E.
January 30, 1986
Page 3

11. The Norblo bag 312AMT dust collector was an existing surplus dust collector not previously used by the facility. It had no permit number or measured emissions.
12. The gas flow rate is ACFM and the velocity is FPM.
13. The Code of Metropolitan Dade County Florida Sections 24-15 and 24-16 allow for air pollution that is equal to or more lenient than the State of Florida standards. Therefore, by meeting the state standards, Rinker is within Dade County's standards.

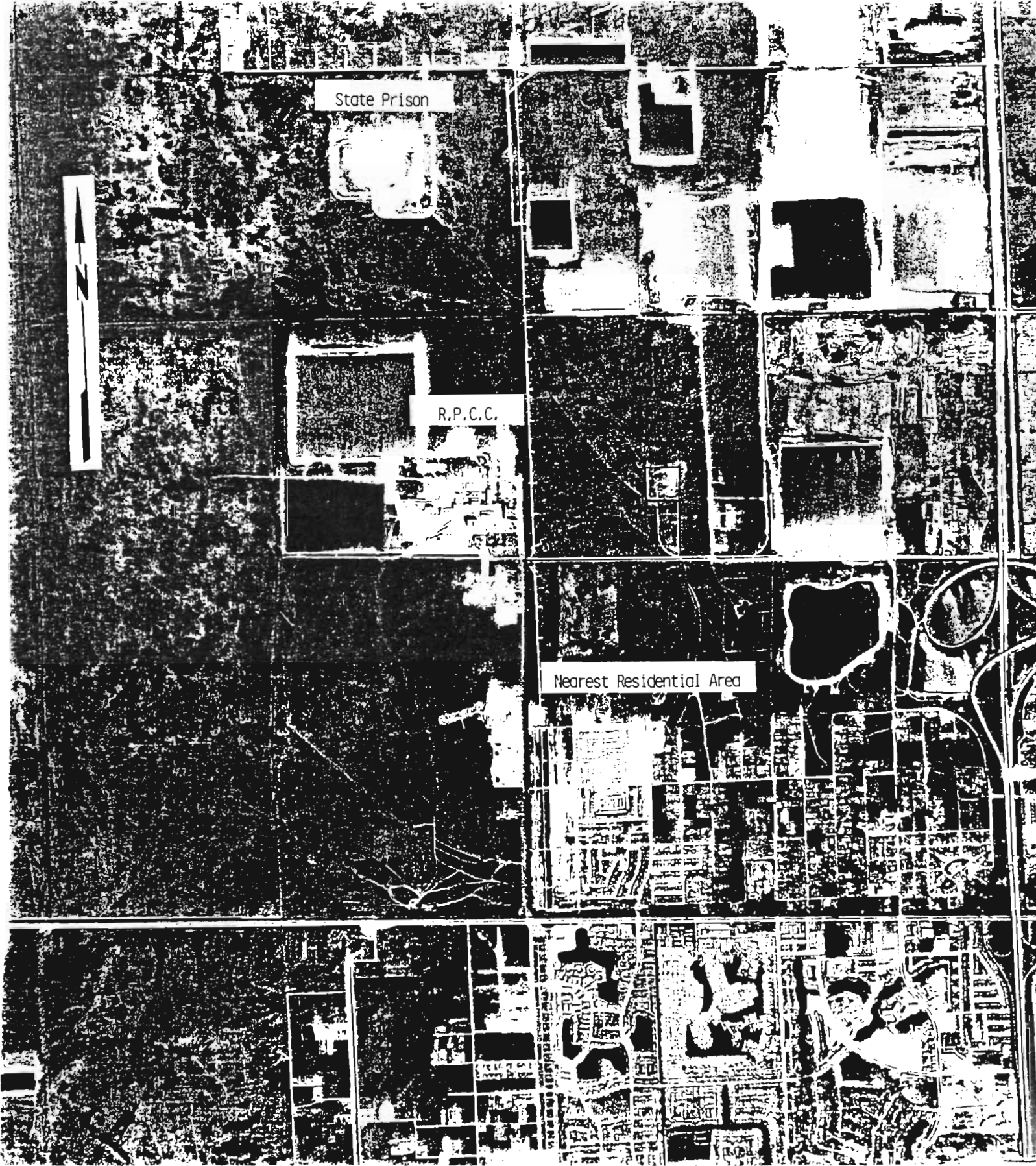
Again, I apologize for the delay in this reply. If you have any questions, please do not hesitate to contact me.

Sincerely,


Dale A. Konigsburg
Environmental Engineer

DAK:bf

cc: Isidore Goldman
Rafael Rodon

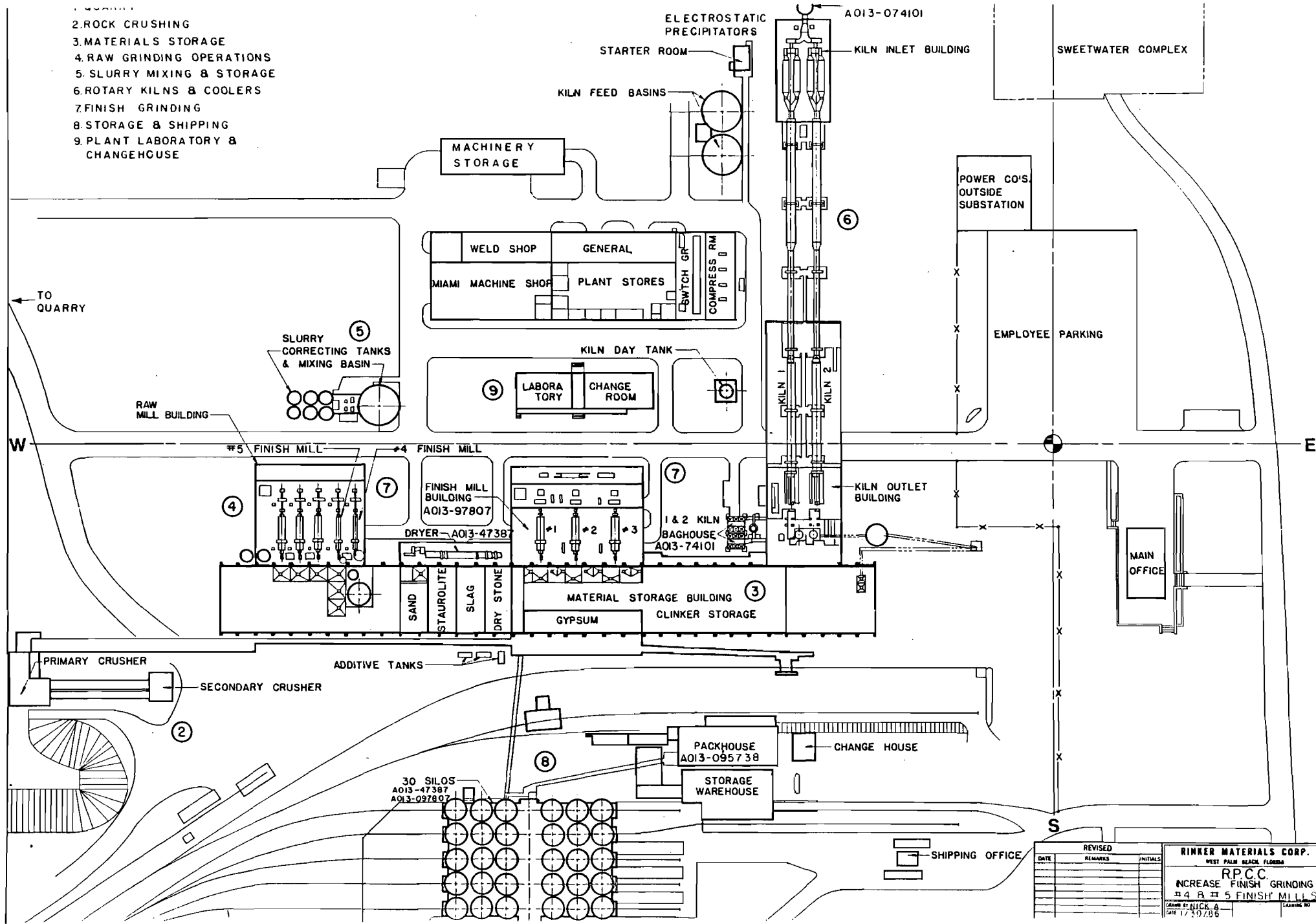


State Prison

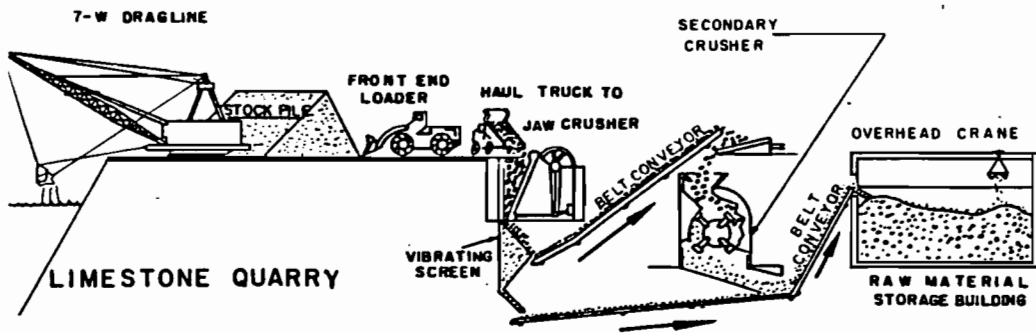
R.P.C.C.

Nearest Residential Area

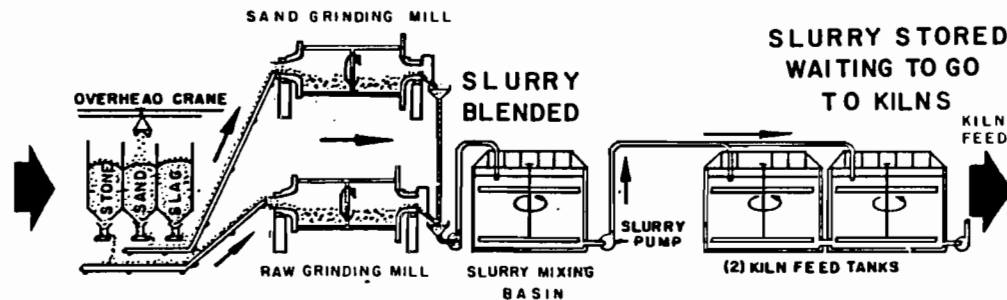
BEST AVAILABLE COPY



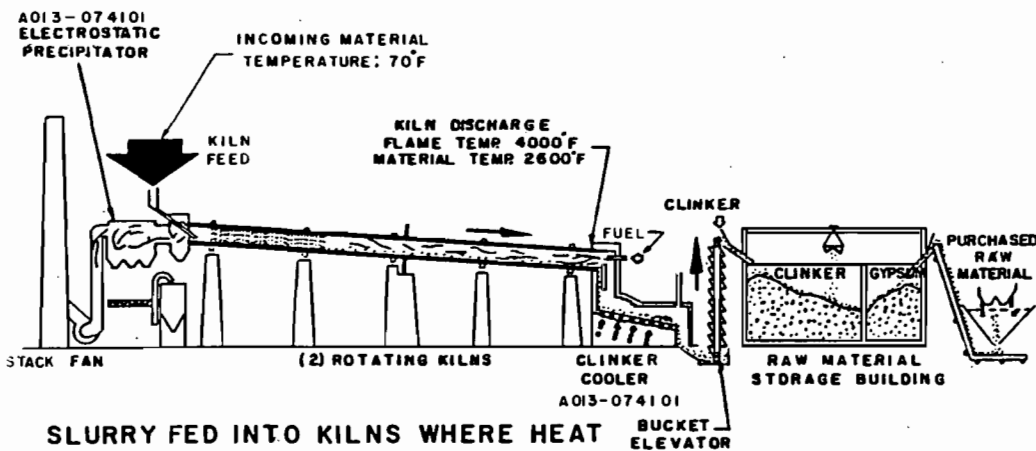
REVISED			RINKER MATERIALS CORP.	
DATE	REMARKS	INITIALS	WEST PALM BEACH, FLORIDA	
			RPCC	
			INCREASE FINISH GRINDING	
			#4 #8 #5 FINISH MILLS	
			GARDNER & WHITNEY, INC.	
			DATE 11/30/85	



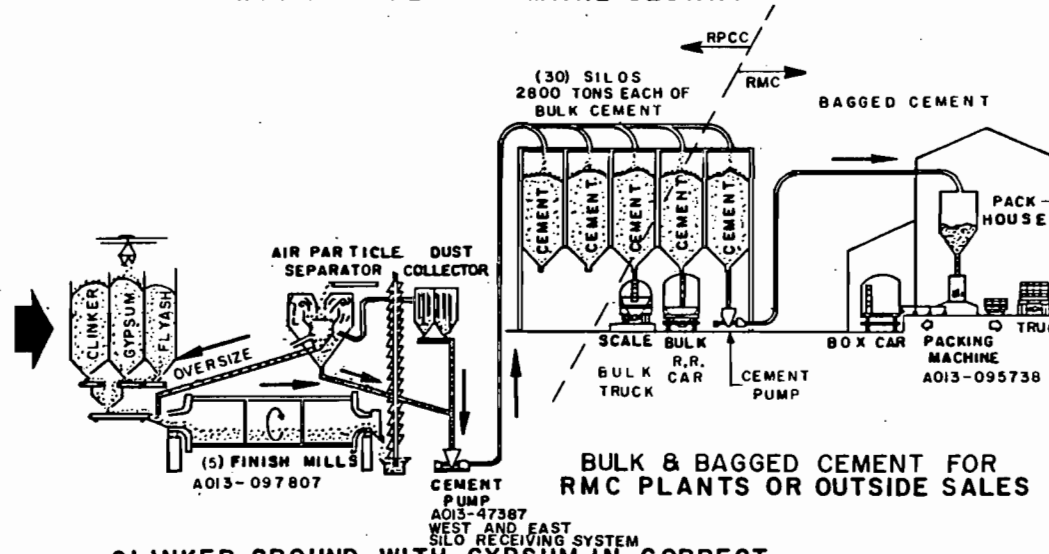
LIMESTONE CRUSHING PLANT



LIMESTONE, SAND & SLAG GROUND PROPORTIONATELY WITH WATER TO MAKE SLURRY



SLURRY FED INTO KILNS WHERE HEAT REMOVES MOISTURE AND CHANGES CHEMICAL COMPOSITION OF SLURRY INTO A HARD MATERIAL CALLED "CLINKER"



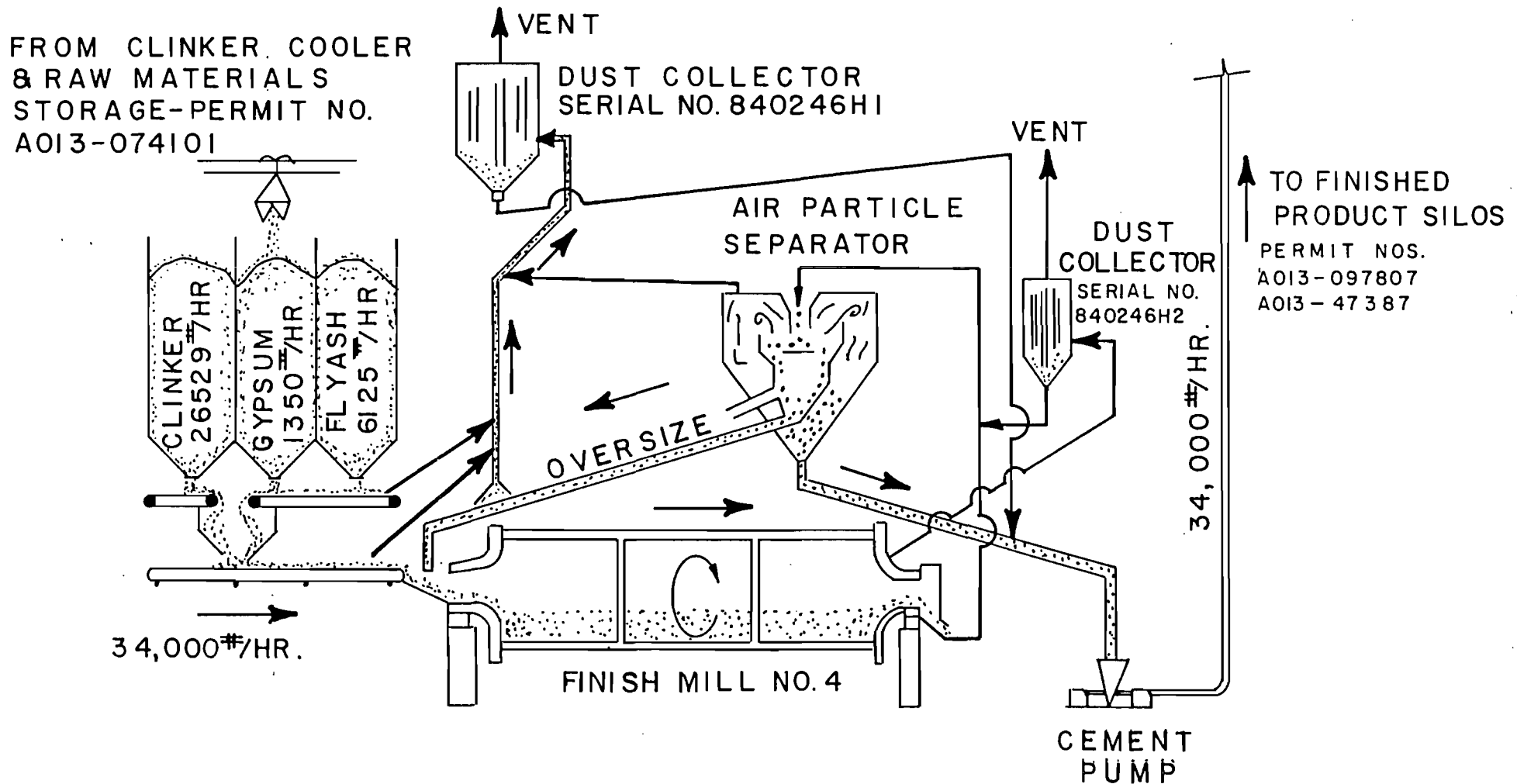
CLINKER GROUND WITH GYPSUM IN CORRECT PROPORTIONS MAKES CEMENT; R.P.C.C. USES A SIMILAR PROCESS TO PRODUCE MORTAR CEMENT

RINKER PORTLAND CEMENT CORP.
FLOW DIAGRAM

RINKER PORTLAND CEMENT CORP.

FLOW DIAGRAM

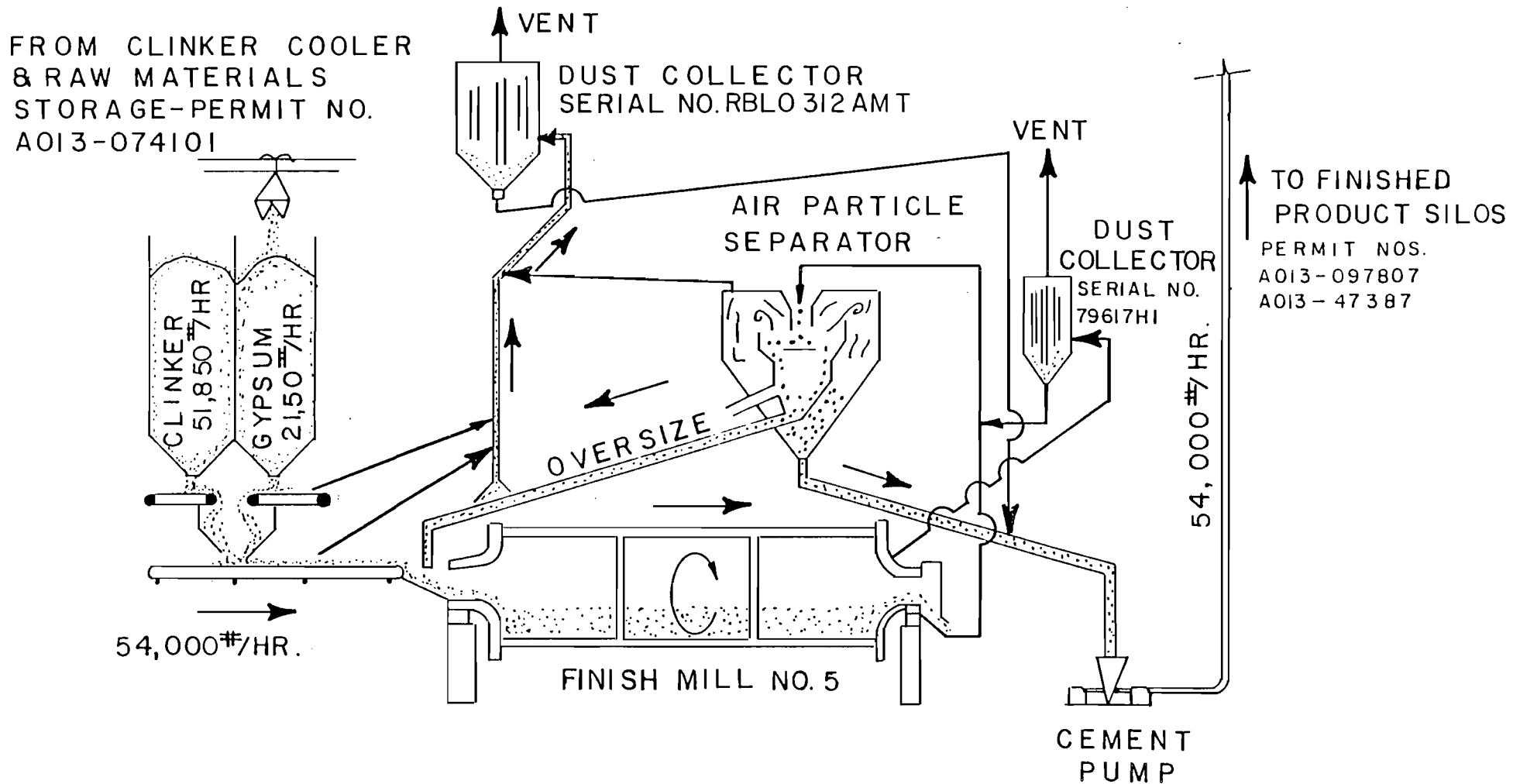
FINISH GRINDING PROCESS EQUIPMENT



RINKER PORTLAND CEMENT CORP.

FLOW DIAGRAM

FINISH GRINDING PROCESS EQUIPMENT



How the Mikro-Pulsaire works

The Mikro-Pulsaire consists of a group of filter cylinders (bags) enclosed in a metal housing. In operation, dust-laden air enters the collector housing through the hopper inlet in the storage-discharge hopper. Either pressure or suction delivers the dirty air to the hopper. The fine particles travel upward and collect on the filter bags.

The clean air passes through the bag and is vented to the atmosphere. A high pressure jet of compressed air directed through the bag at timed intervals removes the dust, which is deposited in the hopper and is easily collected for disposal or recovered for use.

Anatomy of the Pulsaire

The dust-tight Pulsaire has three sections: a plenum at the top, a collector housing in the center, and a hopper at the bottom.

The plenum (Q) houses the blowtubes and supports for the solenoid valves. Clean air or gas is discharged through the exhaust outlet (R) in the plenum. The housing (M) contains the filter bag assemblies. Below the housing is the hopper (O), which contains the inlet (N). A diffuser (T) in the hopper, adjacent to the inlet, absorbs the impact of the high velocity dust particles and properly distributes the incoming air.

Pressure drop, which measures collector performance, is indicated by a manometer (S) connected at one end to the filter bag section and to the clean air plenum at the other end.

A Mikro Airlock (P) is recommended as the discharge valve to handle the collected dust. The Mikro Airlock is a rotary valve consisting of a cylindrical housing, a vaned rotor and a drive. The rotor fits snugly into the housing, thus minimizing air or gas leakage while effectively discharging the material. The material to be moved enters the Mikro Airlock by gravity. As the vanes rotate, appropriate quantities of material are delivered to storage.

Filter Cylinder Assembly

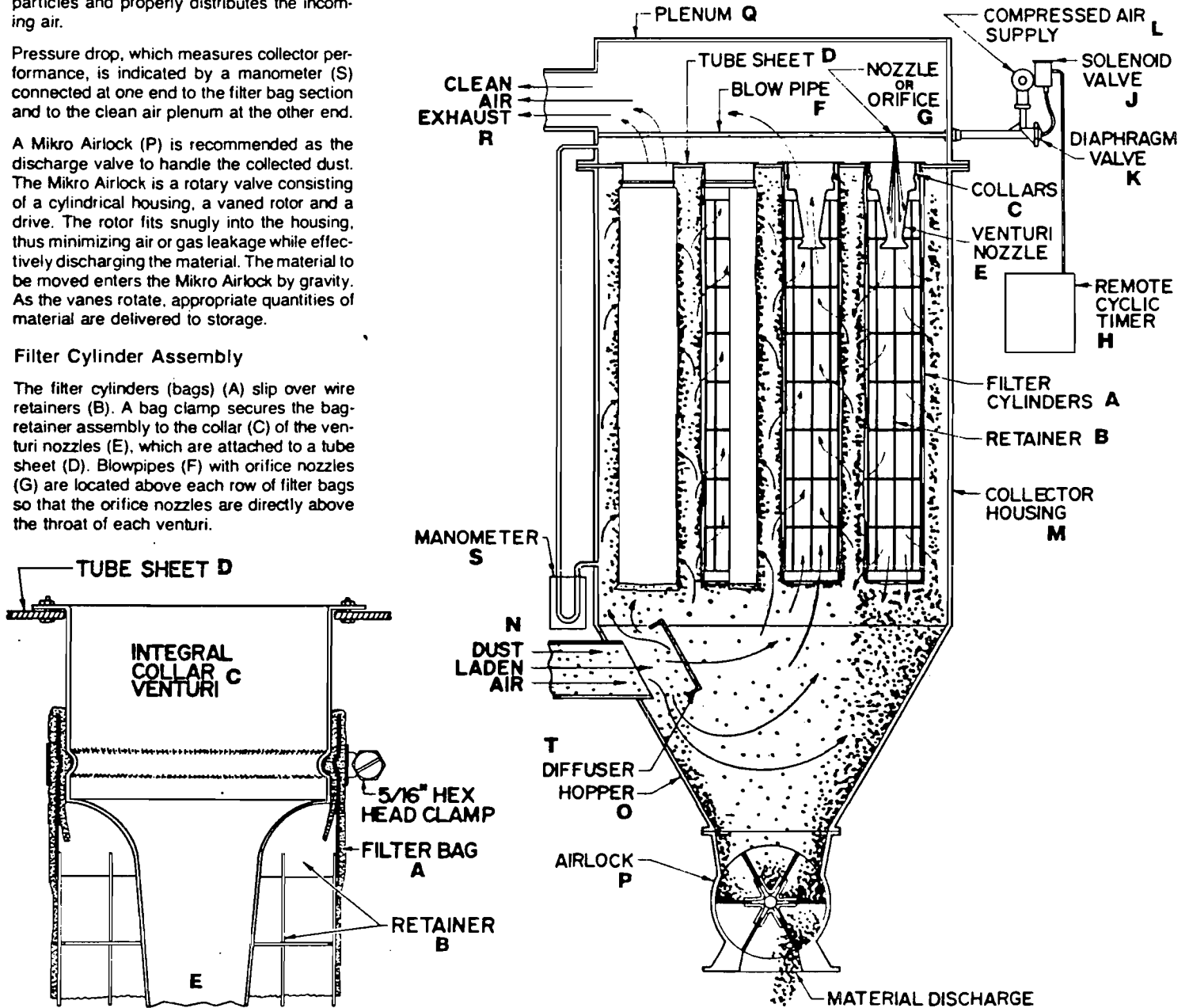
The filter cylinders (bags) (A) slip over wire retainers (B). A bag clamp secures the bag-retainer assembly to the collar (C) of the venturi nozzles (E), which are attached to a tube sheet (D). Blowpipes (F) with orifice nozzles (G) are located above each row of filter bags so that the orifice nozzles are directly above the throat of each venturi.

The Cleaning Cycle

A signal from a remote cyclic timer (H) actuates the opening of the normally closed solenoid or pilot valve (J). The opening of the solenoid valve decreases the pressure in the tube connecting the solenoid to the right angle

diaphragm valve (K) causing the diaphragm valve to open. This permits a momentary jet of 100 psig air to flow from the air supply pipe (L) to blowtube, down each venturi, and into each filter bag. All bags in a row are cleaned simultaneously.

MIKRO-PULSAIRE COLLECTOR



P 408 533 630

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Dale A. Konigsburg	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date 10/18/85	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.

2. Restricted Delivery.

3. Article Addressed to:
Mr. Dale A. Konigsburg
Rinker Portland Cement Corp.
P. O. Box 3303
West Palm Beach, FL 33402

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 408 533 630


Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee
X *[Signature]*

6. Signature - Agent
X *[Signature]*

7. Date of Delivery
1985

8. Addressee's Address (ONLY if requested and fee paid)



DOMESTIC RETURN RECEIPT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

October 17, 1985

Mr. Dale A. Konigsburg
Rinker Portland Cement Corporation
P. O. Box 3303
West Palm Beach, Florida 33402

Dear Mr. Konigsburg:

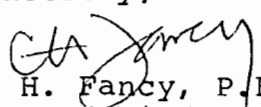
Re: Application No. AC 13-098946, Modifications to Nos. 4 and 5
Finish Mills

On February 28, 1985, a letter was sent to you requesting additional information concerning the above mentioned application. Then, a follow up phone call was made on August 6, 1985. Since that time no response has been received by this office.

If the project has been cancelled, the Bureau requests that a letter withdrawing the permit application be submitted. If the project is still to be completed, please submit the information requested in our letter of February 28, 1985. Sufficient time has elapsed for a response and the Bureau has the option to deny the permits.

If you have any questions on this matter, please contact Willard Hanks of my staff at (904)488-1344.

Sincerely,


C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/WH/s

cc: I. Goldman

PS Form 3811, July 1983

DOMESTIC RETURN RECEIPT

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. Show to whom, date and address of delivery.

2. Restricted Delivery.

3. Article Addressed to:
 Mr. Dale A. Konigsburg
 Rinker Portland Cement Corporation
 P. O. Drawer K
 West Palm Beach, Florida 33402

4. Type of Service: Article Number

<input type="checkbox"/> Registered	<input type="checkbox"/> Insured	0158669
<input checked="" type="checkbox"/> Certified	<input type="checkbox"/> COD	
<input type="checkbox"/> Express Mail		

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
 X *Dale A. Konigsburg*

6. Signature - Agent
 X

7. Date of Delivery *MAR 28 1985*

8. Addressee's Address (ONLY if requested and fee paid)



No. 0158669
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

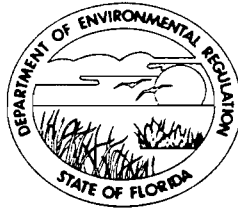
SENT TO		Mr. Dale A. Konigsburg	
STREET AND NO.			
P.O., STATE AND ZIP CODE			
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	¢	
	SPECIAL DELIVERY	¢	
	RESTRICTED DELIVERY	¢	
	OPTIONAL SERVICES	SHOW TO WHOM AND DATE DELIVERED	¢
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		¢	
RETURN RECEIPT SERVICE	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢	
	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢	
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE		2/28/85	

PS Form 3800, Apr. 1976

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

February 28, 1985

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Dale A. Konigsburg, Environmental Engineer
Rinker Portland Cement Corporation
Post Office Drawer K
West Palm Beach, Florida 33402

RE: File No. AC 13-098946

Dear Mr. Konigsburg:

The Bureau of Air Quality Management has made a preliminary review of your January 29, 1985 application for a permit to modify the operations of the nos. 4 and 5 finish mills. We need more information to process this application. Please complete the application by supplying the information requested below.

1. Please furnish the information requested in Section V, questions 1 through 8, of the application. On the flow diagram and plot plan, show what process and control equipment this application is for and the permit to operate numbers for the adjacent equipment. Include the material handling equipment in your reply. Show which baghouses, as described in Section III:D., are used to control each mill. Also include the raw material feed, production, and emission rates associated with mills nos. 4 and 5 on the flow diagram.

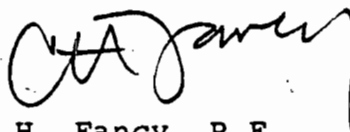
Mr. Dale S. Konigsburg
Page Two
February 28, 1985

2. What is the maximum production and emissions (TPY criteria pollutants) rates of the kilns at this plant? Also list the emissions of criteria pollutants, in TPY, from the other sources of air pollution at this plant. Are there any process changes at the rest of the plant that will result in a change in emissions of any criteria pollutant associated with placing mills nos. 4 and 5 in service?
3. What is the maximum capacity of mills nos. 4 and 5? Section III:B. of the application shows 54,000 lb/hr process input and 34,000 lb/hr product weight for mill no. 5. Please clarify or correct these rates. Also, is flyash used in mill no. 5 or does it produce a different product than mill no. 4?
4. Please describe or furnish the specifications on the air particle separator and any air pollution control equipment used between the mills and the baghouses. If the baghouses are existing equipment, where were they used previously? What were the operation permit numbers and measured emissions?
5. In Section III:H of the application, what are the correct values or units for the gas flow rate and velocity - i.e., are the velocities you listed FPM?
6. If the potential emissions from mills nos. 4 and 5 result in a significant emissions increase, defined as 25 tons per year for particulate matter, then the proposed modification is subject to the prevention of significant deterioration (PSD) regulations (Rule 17-2.500, FAC). Based on your requested emission limits for these sources, PSD regulations do apply and, thus, you must submit all of the information and studies required under the PSD rule (See the abbreviated PSD review requirements attached to this letter).
7. Please show that the proposed project will comply with all of Dade County air pollution control regulations.

Mr. Dale A. Konigsburg
Page Three
February 28, 1985

As soon as we have received the above requested information, we will resume processing your application. If you have any questions regarding the information requested, please call Willard Hanks at (904)488-1344, or write me at the Department's Tallahassee address. If your proposal is subject to the PSD regulations, we recommend you make an appointment to discuss the project with the Department's Tallahassee staff.

Sincerely,



C.H. Fancy, P.E.
Deputy Bureau Chief
Bureau of Air Quality
Management

CHF/WH/rw

cc: Isidore Goldman, w/o attachments
Rafael Rodon, w/o attachments

Attachments:

DER Form 17-1.202(1)
Chapter 17-2, FAC
PSD Preconstruction Review Requirements

*Part 2,
New office
under*

BAQ

APPLICATION TRACKING SYSTEM

02/04/85

APPL NO:098946

APPL RECVD:01/31/85 TYPE CODE:AC SUBCODE:99

LAST UPDATE:02/04/85

DER OFFICE RECVD:TLH DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:___/___/___

DER PROCESSOR:FANCY, CLAIR

APPL STATUS:AC DATE:01/31/85 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:50 COUNTY:13

(Y/N) N DNR REVIEW REQD?

LAT/LONG:25.47.00/80.26.00

(Y/N) N PUBLIC NOTICE REQD?

BASIN-SEGMENT:___

(Y/N) N GOV BODY LOCAL APPROVAL REQD?

COE #:_____

(Y/N) Y LETTER OF INTENT REQD? _ (I/ISSUE D/DENY)

ALT#:_____

PROJECT SOURCE NAME:RINKER PORTLAND CEMENT CORPORATION

STREET:P.O. DRAWER K

CITY:WEST PALM BEACH

STATE:FL ZIP:33402

PHONE:305-833-5555

APPLICATION NAME:DALE A. KONIGSBURG

STREET:P.O. DRAWER K

CITY:WEST PALM BEACH

STATE:FL ZIP:33402

PHONE:305-833-5555

AGENT NAME:JOHN C. LISSENDEN

STREET:SAME

CITY:_____

STATE:___ ZIP:_____

PHONE:_____

FEE #1 DATE PAID:01/31/85

AMOUNT PAID:0100

RECEIPT NUMBER:00086658

B	DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE	- - -	___/___/___
C	DATE DER SENT DNR APPLICATION/SENT DNR INTENT	- - -	___/___/___
D	DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP.	- .	___/___/___
E	DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
F	DATE GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS	- -	___/___/___
G	DATE FIELD REPORT WAS REQ--REC	- - -	___/___/___
H	DATE DNR REVIEW WAS COMPLETED	- - -	___/___/___
I	DATE APPLICATION WAS COMPLETE	- - -	___/___/___
J	DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS	- -	___/___/___
K	DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT	- -	___/___/___
L	DATE PUBLIC NOTICE WAS SENT TO APPLICANT	- - -	___/___/___
M	DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED	- -	___/___/___
N	DATE WAIVER DATE BEGIN--END (DAY 90)	- - -	___/___/___

COMMENTS:

DER

FEB 7 1985

BAQM

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHEAST FLORIDA
SUBDISTRICT

2745 SOUTHEAST MORNINGSTAR BOULEVARD
PORT ST. LUCIE, FLORIDA 33452

RECEIVED
JAN 31 1985

Dept. of Environmental Reg.
West Palm Beach



PAID
8100.00
JAN 31, 1985

037829
Dept. of Environmental Reg.
West Palm Beach

BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY
AL MUELLER
SUBDISTRICT MANAGER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Air Operation [] New¹ [X] Existing¹

APPLICATION TYPE: [] Construction [] Operation [X] Modification

COMPANY NAME: Rinker Portland Cement Corporation COUNTY: Dade

Identify the specific emission point source(s) addressed in this application (i.e. Lime
#4 and
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) #5 Finish Mills
Unincorporated

SOURCE LOCATION: Street 1200 N. W. 137th Ave. City Dade County

UTM: East 17,558.2 KM North 2851.3 KM

Latitude 25 ° 47 ' ___ "N Longitude 80 ° 26 ' ___ "W

APPLICANT NAME AND TITLE: Dale A. Konigsburg, Environmental Engineer

APPLICANT ADDRESS: c/o Rinker Materials Corporation, P. O. Drawer K, W. P. B., Fla. 33402

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Rinker Portland Cement Corp.

I certify that the statements made in this application for a operation permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed: Dale A. Konigsburg

Dale A. Konigsburg, Environmental Engineer
Name and Title (Please Type)

Date: 1/29/85 Telephone No. (305) 833-5555

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

¹ See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and applicable pollution sources.

Signed

John C. Lissenden
John C. Lissenden

Name (Please Type)

Rinker Materials Corporation

Company Name (Please Type)

P. O. Drawer K, West Palm Beach, Fla. 33402

Mailing Address (Please Type)

Florida Registration No. 4087

Date: 1/29/85

Telephone No. (305) 833-5555

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

These existing dust collectors control particulate emissions from the #4 and #5 grinding mills similarly to the dust collectors on the presently permitted #1, #2 & #3 grinding mills:

No increase in pollution or production will occur since the kilns determine the maximum production rate. The grinding department will continue to be in compliance with DER rules and regulations.

B. Schedule of project covered in this application (Construction Permit Application Only)
N/A

Start of Construction _____ Completion of Construction _____

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

1. 20,000 installed.

2. 19,000 installed.

3. 20,000 installed.

4. 19,000 installed.

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

None for these grinding mills but see permits for parallel equipment A013-24422, 3 and 6.

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 52; if power plant, hrs/yr _____; if seasonal, describe: _____

F. If this is a new source or major modification, answer the following questions. (Yes or No)

N/A

1. Is this source in a non-attainment area for a particular pollutant? _____
 - a. If yes, has "offset" been applied? _____
 - b. If yes, has "Lowest Achievable Emission Rate" been applied? _____
 - c. If yes, list non-attainment pollutants. _____
2. Does best available control technology (BACT) apply to this source? If yes, see Section VI. _____
3. Does the State "Prevention of Significant Deterioration" (PSD) requirement apply to this source? If yes, see Sections VI and VII. _____
4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? _____
5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? _____

H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? _____ No

- a. If yes, for what pollutants? _____
- b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justification for any answer of "No" that might be considered questionable.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Clinker #4 #5	Particulate	100%	26,525	
			51,850	
Gypsum #4 #5	Particulate	100%	1,350	
			2,150	
Fly Ash #4	Particulate	100%	6,125	

B. Process Rate, if applicable: (See Section V, Item 1)

#4 34,000

#5 54,000

1. Total Process Input Rate (lbs/hr): _____

#4 34,000

2. Product Weight (lbs/hr): _____

#5 34,000

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission ¹		Allowed Emission Rate per Rule 17-2 ²	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Portland #4	2	7.7	Process	20 #/hr.	<40	T/yr.	
Cement #5	3	12.3	Weight	27 #/hr.	<60	T/yr.	
			Table				

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

³Calculated from operating rate and applicable standard.

⁴Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
1. Mikro Pulsaire Model 144S-8-20	Portland Cement	Less than 0.02 with stack visibility clear at all times.	grains per cubic foot	Manufacturer's Specifications
2. Mikro Pulsaire Model 144S-8-20	Portland Cement			
3. Norblo 312AMT Mikro Pulsaire	Portland Cement	99.8 ⁺ %	93% smaller than 60 microns	AP-42 emission factors
4. 79617HI	Portland Cement	99.8 ⁺ %		

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
N/A			

*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: _____ Percent Ash: _____

Density: _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: _____ BTU/lb _____ BTU/gal

Other Fuel Contaminants (which may cause air pollution): _____

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average _____ Maximum _____

G. Indicate liquid or solid wastes generated and method of disposal.

All dust collected is recycled.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 65' - 10' - 52 1/2' - 25' ft. Stack Diameter: 1.7, 1.3, 1.3, 1.3 Eqivft.
 Gas Flow Rate: 1. 7600 ACFM DSCFM Gas Exit Temperature: 190 degrees °F.
2. 6000 ACFM DSCFM
 Water Vapor Content: 3. 9600 4. 4000 #4 2GPM % Velocity: 3375, 4400, 6775, 2825 FPS
 #5 2GPM

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____
 Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____
 Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____
 Manufacturer _____
 Date Constructed _____ Model No. _____

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter: _____ Stack Temp. _____
 Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

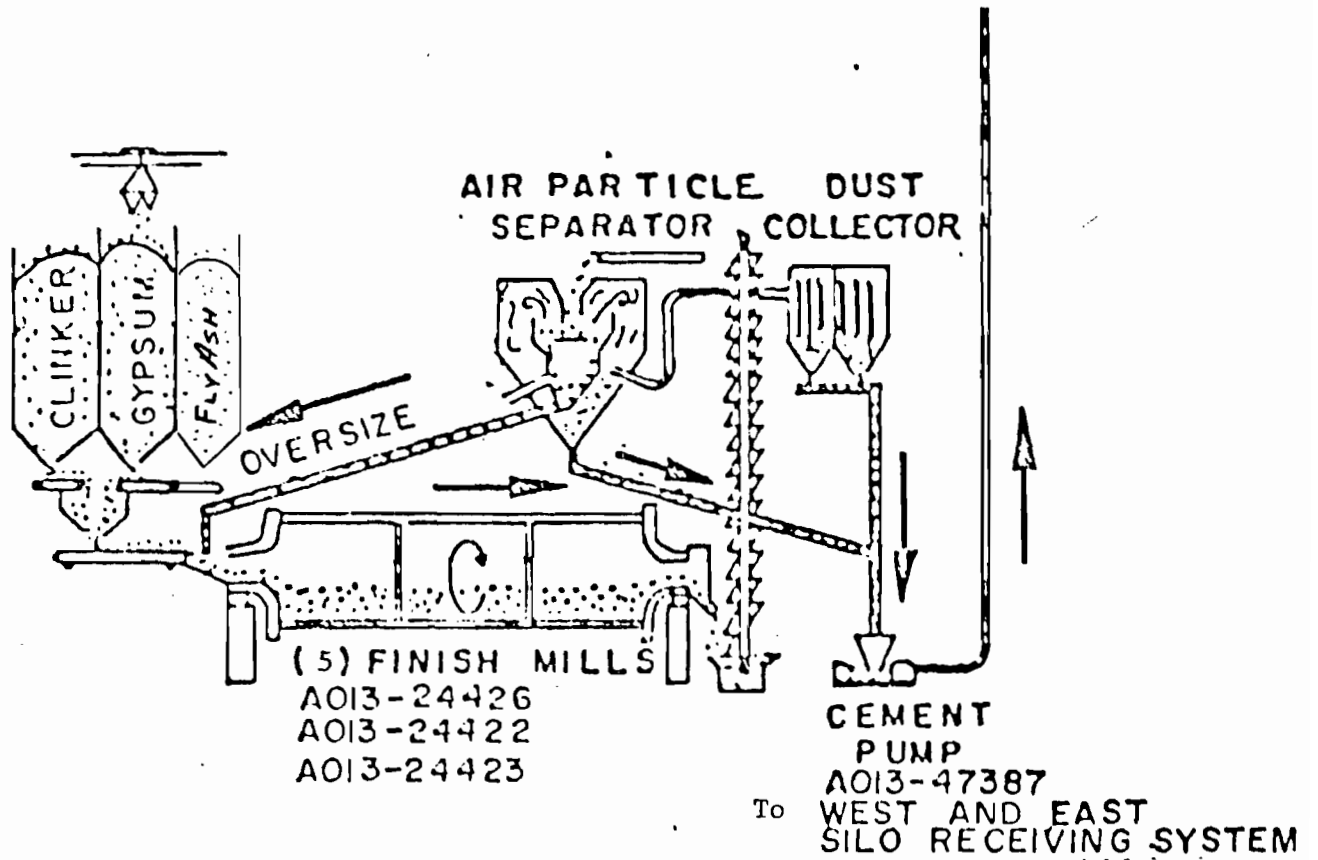
*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: Cyclone Wet Scrubber Afterburner
 Other (specify) _____

RINKER PORTLAND CEMENT CORP.

FLOW DIAGRAM

1/18/85



2 - existing mills (wet)

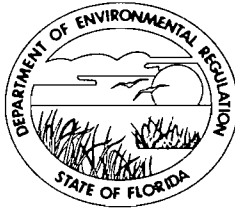
Converted
grind chamber
boiler

ATTACHMENT 2

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

February 28, 1985

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Dale A. Konigsburg, Environmental Engineer
Rinker Portland Cement Corporation
Post Office Drawer K
West Palm Beach, Florida 33402

RE: File No. AC 13-098946

Dear Mr. Konigsburg:

The Bureau of Air Quality Management has made a preliminary review of your January 29, 1985 application for a permit to modify the operations of the nos. 4 and 5 finish mills. We need more information to process this application. Please complete the application by supplying the information requested below.

1. Please furnish the information requested in Section V, questions 1 through 8, of the application. On the flow diagram and plot plan, show what process and control equipment this application is for and the permit to operate numbers for the adjacent equipment. Include the material handling equipment in your reply. Show which baghouses, as described in Section III:D., are used to control each mill. Also include the raw material feed, production, and emission rates associated with mills nos. 4 and 5 on the flow diagram.

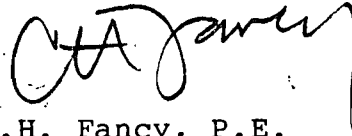
Mr. Dale S. Konigsburg
Page Two
February 28, 1985

2. What is the maximum production and emissions (TPY criteria pollutants) rates of the kilns at this plant? Also list the emissions of criteria pollutants, in TPY, from the other sources of air pollution at this plant. Are there any process changes at the rest of the plant that will result in a change in emissions of any criteria pollutant associated with placing mills nos. 4 and 5 in service?
3. What is the maximum capacity of mills nos. 4 and 5? Section III:B. of the application shows 54,000 lb/hr process input and 34,000 lb/hr product weight for mill no. 5. Please clarify or correct these rates. Also, is flyash used in mill no. 5 or does it produce a different product than mill no. 4?
4. Please describe or furnish the specifications on the air particle separator and any air pollution control equipment used between the mills and the baghouses. If the baghouses are existing equipment, where were they used previously? What were the operation permit numbers and measured emissions?
5. In Section III:H of the application, what are the correct values or units for the gas flow rate and velocity - i.e., are the velocities you listed FPM?
6. If the potential emissions from mills nos. 4 and 5 result in a significant emissions increase, defined as 25 tons per year for particulate matter, then the proposed modification is subject to the prevention of significant deterioration (PSD) regulations (Rule 17-2.500, FAC). Based on your requested emission limits for these sources, PSD regulations do apply and, thus, you must submit all of the information and studies required under the PSD rule (See the abbreviated PSD review requirements attached to this letter).
7. Please show that the proposed project will comply with all of Dade County air pollution control regulations.

Mr. Dale A. Konigsburg
Page Three
February 28, 1985

As soon as we have received the above requested information, we will resume processing your application. If you have any questions regarding the information requested, please call Willard Hanks at (904)488-1344, or write me at the Department's Tallahassee address. If your proposal is subject to the PSD regulations, we recommend you make an appointment to discuss the project with the Department's Tallahassee staff.

Sincerely,



C.H. Fancy, P.E.
Deputy Bureau Chief
Bureau of Air Quality
Management

CHF/WH/rw

cc: Isidore Goldman, w/o attachments
Rafael Rodon, w/o attachments

Attachments:

DER Form 17-1.202(1)
Chapter 17-2, FAC
PSD Preconstruction Review Requirements

ATTACHMENT 3

DER

January 30, 1986

FEB 5 1986

BAQM

Mr. C. H. Fancy, P.E.
Deputy Bureau Chief
Bureau of Air Quality Management
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32301-8241

RE: File No. AC13-098946

Dear Mr. Fancy:

The following is sent as a supplement to the above-referenced permit application per your letter of February 28, 1985:

1. The total process input rates and product weights are:

#4	34,000#/hr.
#5	54,000#/hr.

This is derived from design data.

2. The emissions are calculated using design rates and the dust collector efficiency:

#4	17 T/hr. x 32 #/T x .0001	collection efficiency =
	0.05 #/hr.	

#5	27 T/hr. x 32 #/T x .0001	collection efficiency =
	0.08 #/hr.	

3. Proof of actual emissions is accomplished by conducting a Visible Emissions Test with emissions being below 5% opacity.
4. The Mikro Pulsaire Models No. 144S-8 contain 144 felt filter fabric bags with a total of 1356 sq. ft. of total filter area per unit.

At 7600 ACFM the air to cloth ratio is $7600/1356 = 5.6$

At 6,000 ACFM the air to cloth ratio is $6000/1356 = 4.4$

The serial numbers of the two dust collectors provided to serve finish mill #5 are 840246H1 and 840246H2.

5. The stated efficiency is given by the manufacturer as 99.99% with stack visibility clear at all times. Rinker's experience with fabric filter dust collectors verifies the maintenance of a clear stack.
6. The Rinker Portland Cement mill currently has the following Florida Department of Environmental Regulation Permit numbers:
 - A. A013-47387 E. and W. Silo Baghouses, Stone Dryer
 - B. A013-074101 Kiln precipitators and coolers baghouses
 - C. A013-095738 Packhouse and silo baghouses
 - D. A013-097807 Grinding mills and silo baghouses
7. The RPCC kilns have a process rate of approximately 56 tons per hr. and have an emission of approximately $24\#/hr \times 24 \text{ hr/day} \times 365 \text{ days/yr} \times \text{ton}/2000\# \times 0.9 \text{ availability factor} = 71 \text{ tons/yr}$.

All the other permitted sources are controlled by fabric filter type dust collectors and operate normally in the 0% to 5% opacity range.

8. It is anticipated that the use of the #4 and #5 finish mills will reduce the amount of time the older #1, #2 and #3 finish mills are operated. Please note that the mill production is not being increased by the addition of these grinding mills.
9. The input and output rates for the #4 finish mill are 34,000 #/hr.

The input and output rates for the #5 finish mill are 54,000 #/hr. Flyash is not normally currently used in the #5 finish mill.
10. There is no air pollution equipment between the finish mills and the baghouses.


The air particle separator is not a pollution control device. It is a piece of equipment used in the grinding process to separate and recycle to the grinding mill the oversize cement.

Mr. C. H. Fancy, P.E.
January 30, 1986
Page 3

11. The Norblo bag 312AMT dust collector was an existing surplus dust collector not previously used by the facility. It had no permit number or measured emissions.
12. The gas flow rate is ACFM and the velocity is FPM.
13. The Code of Metropolitan Dade County Florida Sections 24-15 and 24-16 allow for air pollution that is equal to or more lenient than the State of Florida standards. Therefore, by meeting the state standards, Rinker is within Dade County's standards.

Again, I apologize for the delay in this reply. If you have any questions, please do not hesitate to contact me.

Sincerely,


Dale A. Konigsburg
Environmental Engineer

DAK:bf

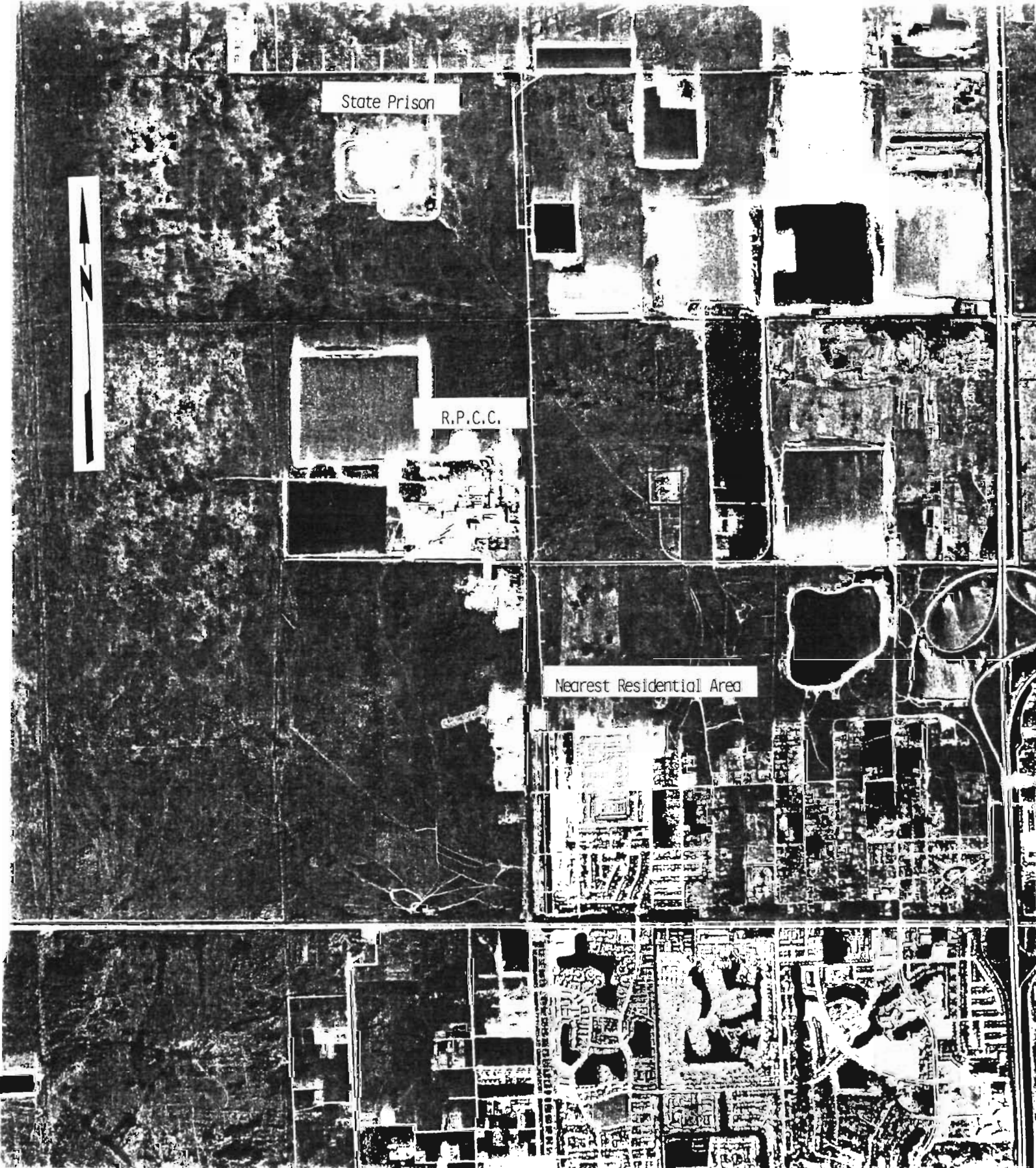
cc: Isidore Goldman
Rafael Rodon



State Prison

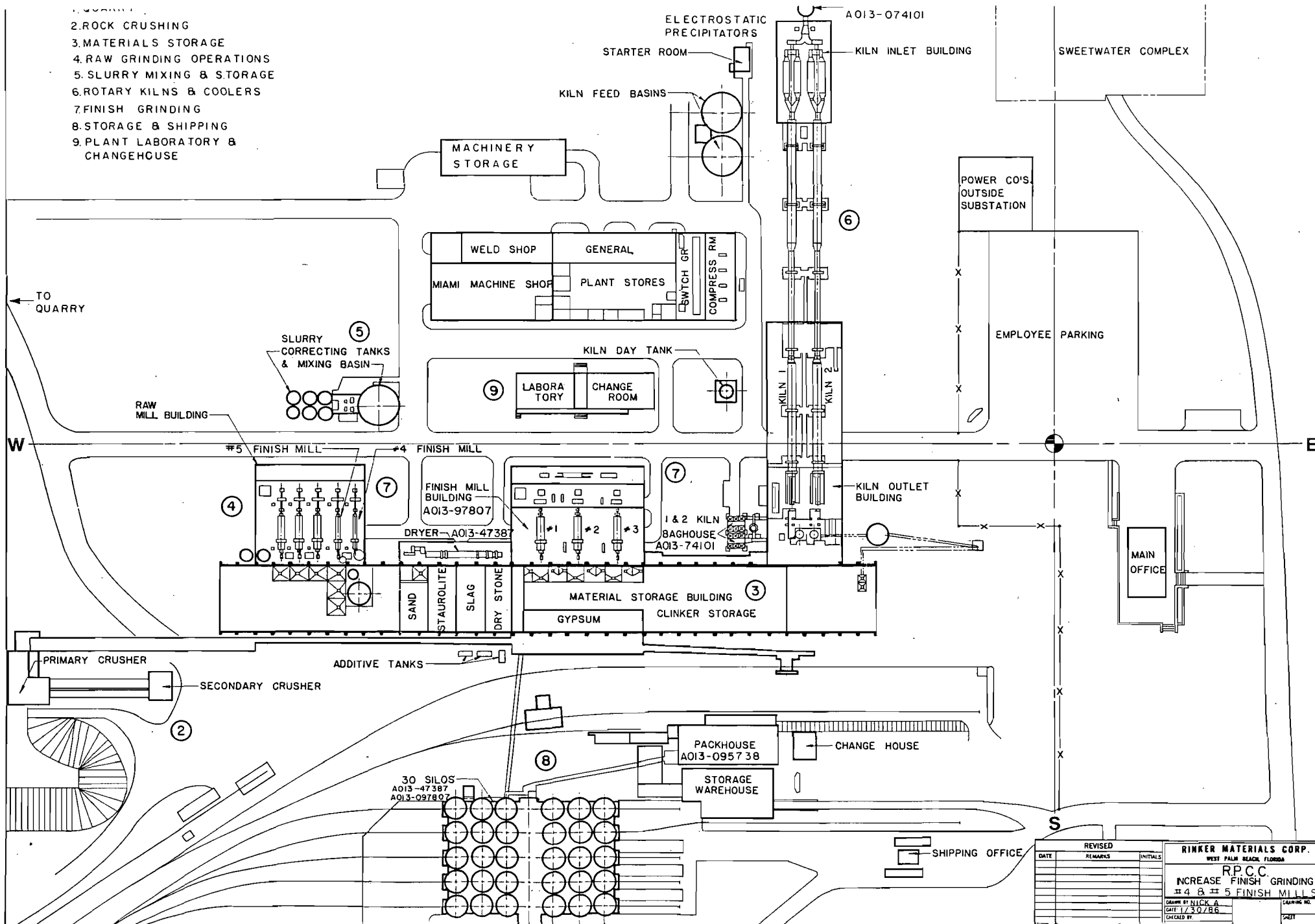
R.P.C.C.

Nearest Residential Area



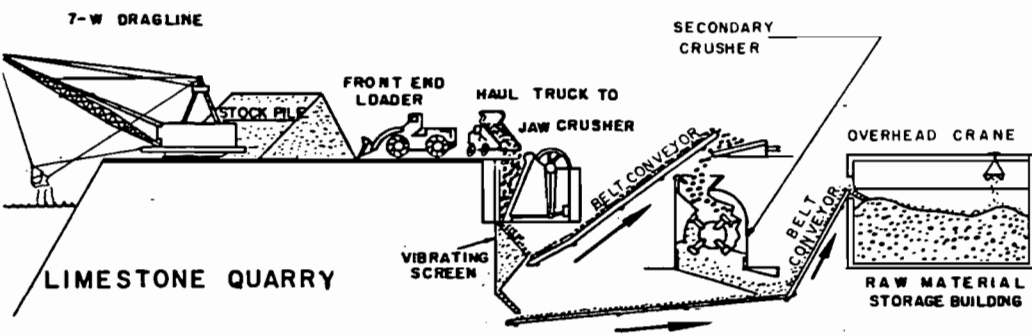
BEST AVAILABLE COPY

1. QUARRY
2. ROCK CRUSHING
3. MATERIALS STORAGE
4. RAW GRINDING OPERATIONS
5. SLURRY MIXING & STORAGE
6. ROTARY KILNS & COOLERS
7. FINISH GRINDING
8. STORAGE & SHIPPING
9. PLANT LABORATORY & CHANGEHOUSE

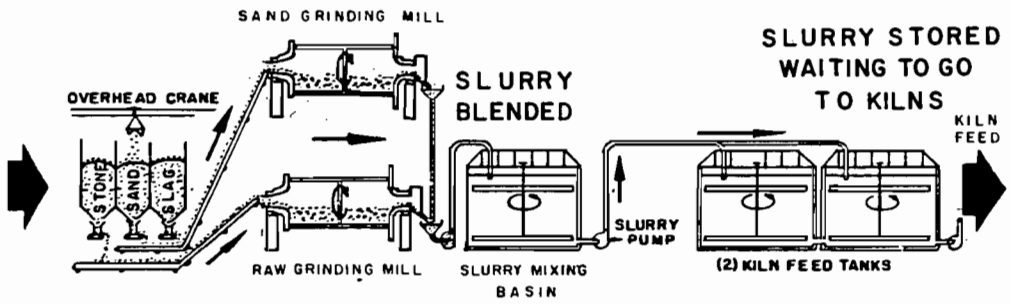


REVISED			INITIALS
DATE	REMARKS		

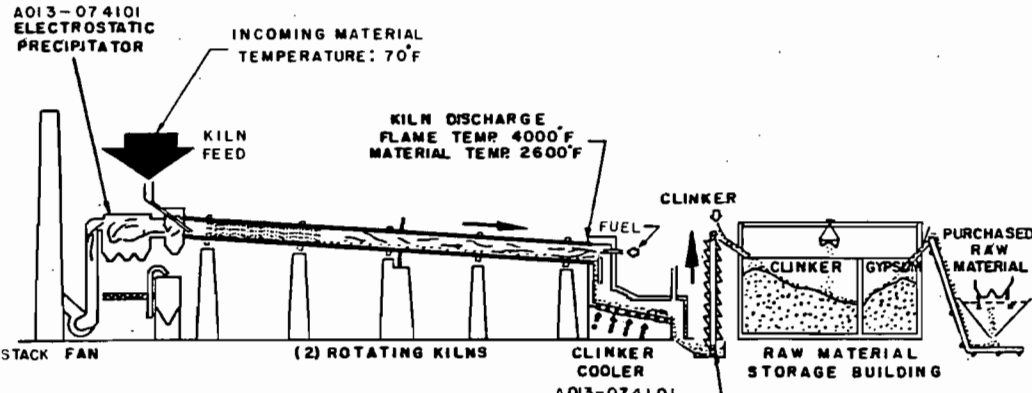
RINKER MATERIALS CORP.
 WEST PALM BEACH, FLORIDA
RPCC
 INCREASE FINISH GRINDING
 #4 #5 FINISH MILLS
 DRAWN BY NICK A
 DATE 1/30/86
 CHECKED BY
 SHEET



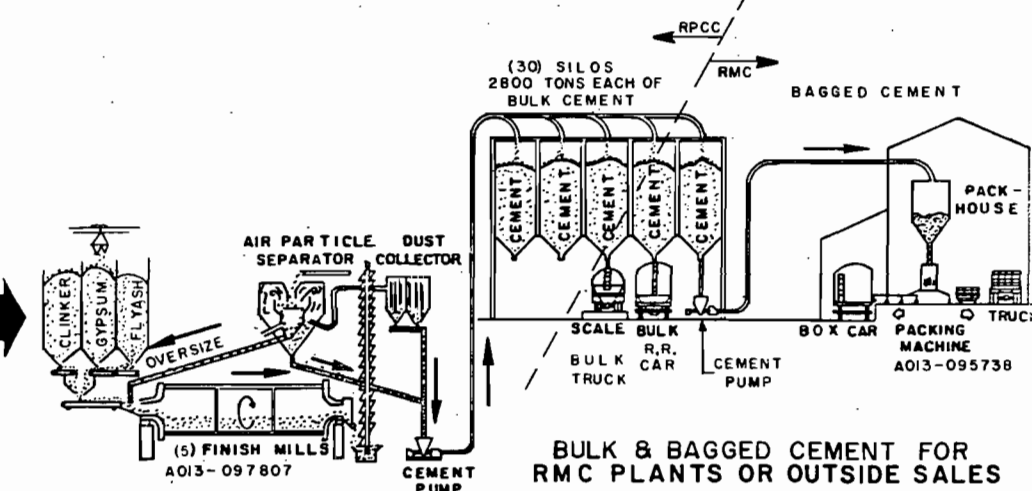
LIMESTONE CRUSHING PLANT



LIMESTONE, SAND & SLAG GROUND PROPORTIONATELY WITH WATER TO MAKE SLURRY



SLURRY FED INTO KILNS WHERE HEAT REMOVES MOISTURE AND CHANGES CHEMICAL COMPOSITION OF SLURRY INTO A HARD MATERIAL CALLED "CLINKER"



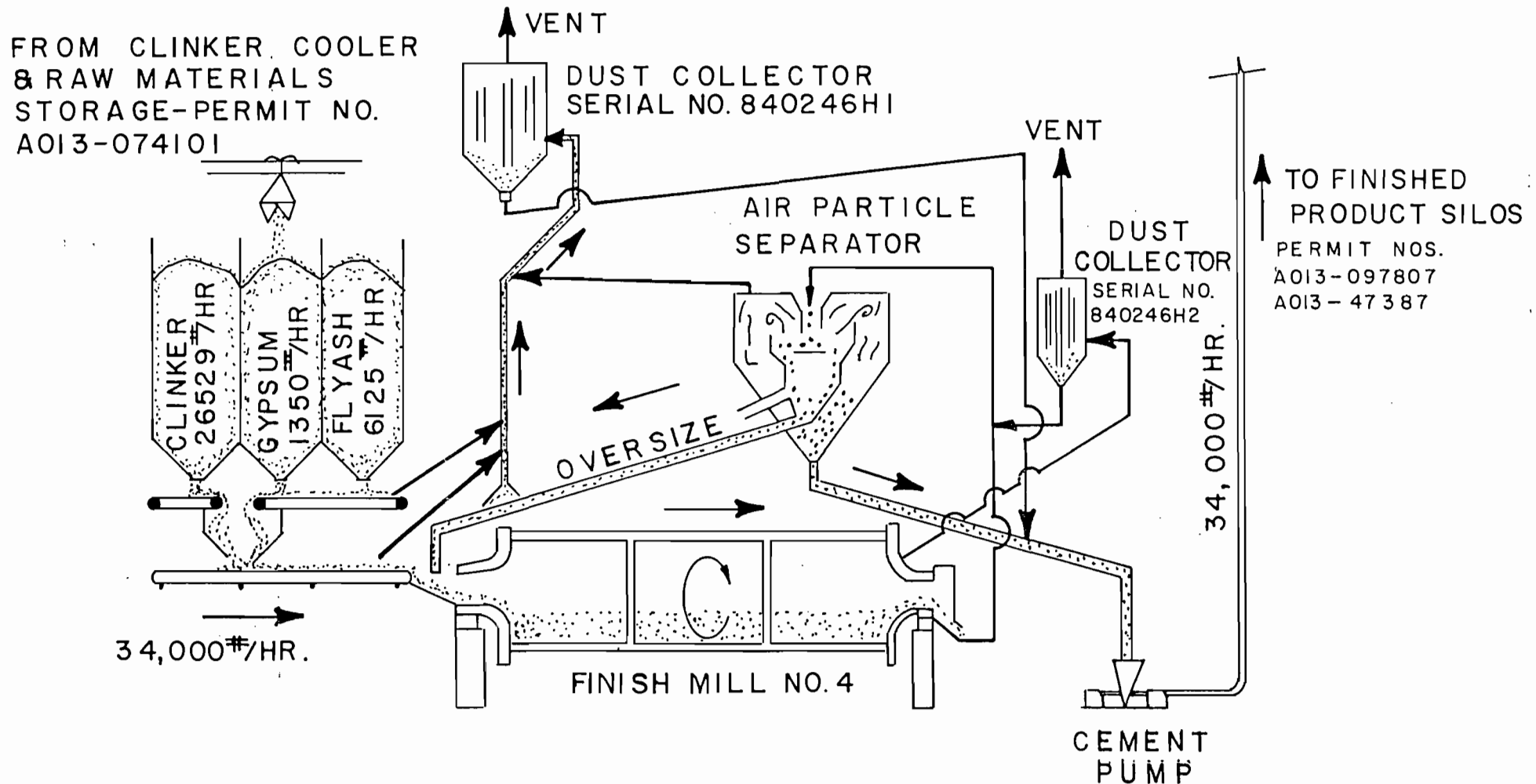
CLINKER GROUND WITH GYPSUM IN CORRECT PROPORTIONS MAKES CEMENT; R.P.C.C. USES A SIMILAR PROCESS TO PRODUCE MORTAR CEMENT

RINKER PORTLAND CEMENT CORP.
FLOW DIAGRAM

RINKER PORTLAND CEMENT CORP.

FLOW DIAGRAM

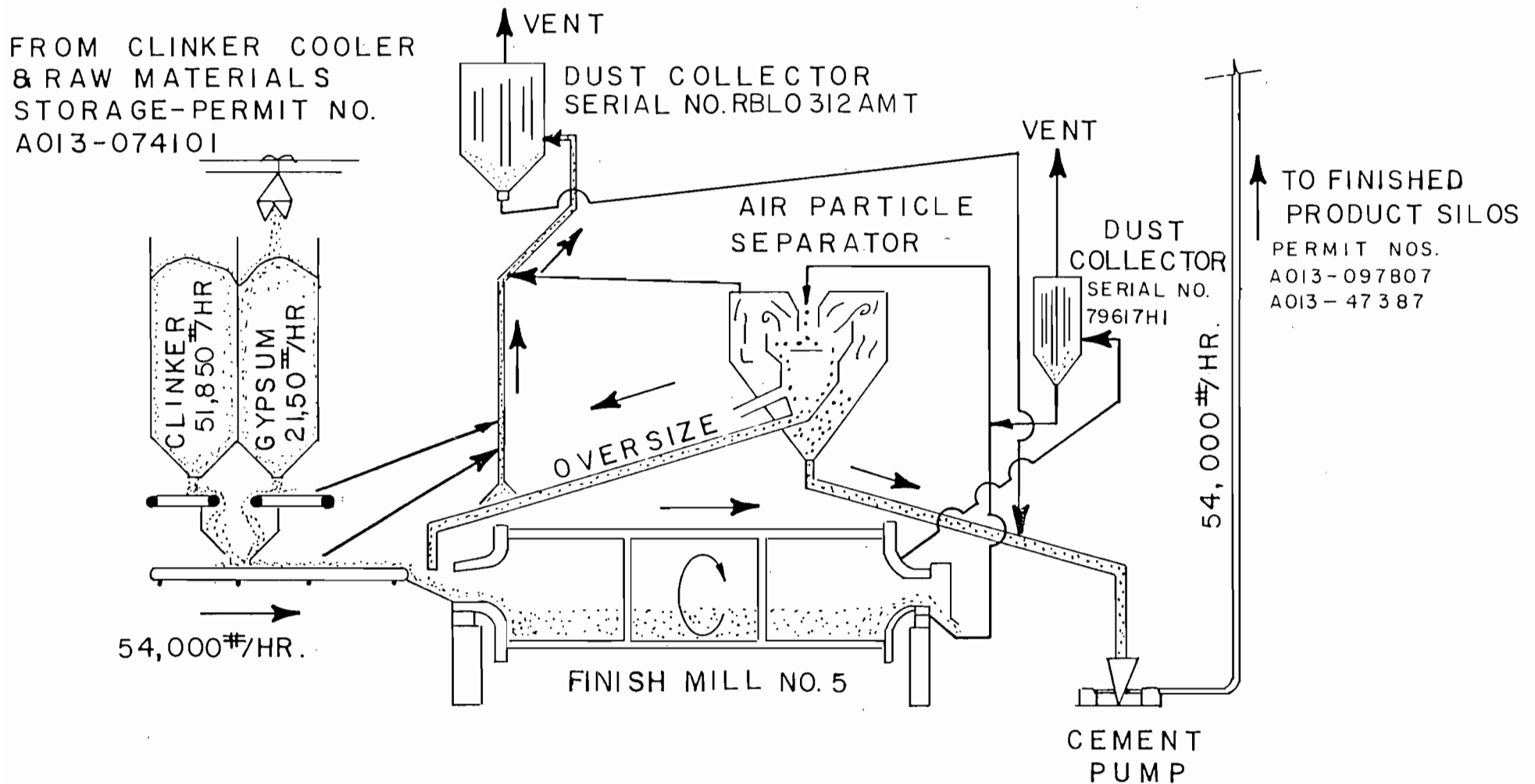
FINISH GRINDING PROCESS EQUIPMENT



RINKER PORTLAND CEMENT CORP.

FLOW DIAGRAM

FINISH GRINDING PROCESS EQUIPMENT



How the Mikro-Pulsaire works

The Mikro-Pulsaire consists of a group of filter cylinders (bags) enclosed in a metal housing. In operation, dust-laden air enters the collector housing through the hopper inlet in the storage-discharge hopper. Either pressure or suction delivers the dirty air to the hopper. The fine particles travel upward and collect on the filter bags.

The clean air passes through the bag and is vented to the atmosphere. A high pressure jet of compressed air directed through the bag at timed intervals removes the dust, which is deposited in the hopper and is easily collected for disposal or recovered for use.

Anatomy of the Pulsaire

The dust-tight Pulsaire has three sections: a plenum at the top, a collector housing in the center, and a hopper at the bottom.

The plenum (Q) houses the blowtubes and supports for the solenoid valves. Clean air or gas is discharged through the exhaust outlet (R) in the plenum. The housing (M) contains the filter bag assemblies. Below the housing is the hopper (O), which contains the inlet (N). A diffuser (T) in the hopper, adjacent to the inlet, absorbs the impact of the high velocity dust particles and properly distributes the incoming air.

Pressure drop, which measures collector performance, is indicated by a manometer (S) connected at one end to the filter bag section and to the clean air plenum at the other end.

A Mikro Airlock (P) is recommended as the discharge valve to handle the collected dust. The Mikro Airlock is a rotary valve consisting of a cylindrical housing, a vaned rotor and a drive. The rotor fits snugly into the housing, thus minimizing air or gas leakage while effectively discharging the material. The material to be moved enters the Mikro Airlock by gravity. As the vanes rotate, appropriate quantities of material are delivered to storage.

Filter Cylinder Assembly

The filter cylinders (bags) (A) slip over wire retainers (B). A bag clamp secures the bag-retainer assembly to the collar (C) of the venturi nozzles (E), which are attached to a tube sheet (D). Blowpipes (F) with orifice nozzles (G) are located above each row of filter bags so that the orifice nozzles are directly above the throat of each venturi.

The Cleaning Cycle

A signal from a remote cyclic timer (H) actuates the opening of the normally closed solenoid or pilot valve (J). The opening of the solenoid valve decreases the pressure in the tube connecting the solenoid to the right angle

diaphragm valve (K) causing the diaphragm valve to open. This permits a momentary jet of 100 psig air to flow from the air supply pipe (L) to blowtube, down each venturi, and into each filter bag. All bags in a row are cleaned simultaneously.

MIKRO-PULSAIRE COLLECTOR

