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Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

February 3, 1995

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Alan G. Payne
Manager - Pugmill Operation
Kearney Development Company, Inc.
8621 M. L. King Blvd. E.
Tampa, Florida 33610

Dear Mr. Payne:

Attached is the Technical Evaluation and Preliminary Determination and proposed permit to operate a portable soil cement plant. The plant may operate in any county in Florida covered by the Notice of Intent to Issue.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. A. A. Linero of the Bureau of Air Regulation. If you have any questions regarding this matter, please call Willard Hanks at (904)488-1344.

Sincerely,

C. H. Fancy, P.E.
Chief
Bureau of Air Regulation

CHF/WH/bjb

cc: District Air Program Administrators
County Air Program Administrators
Joseph Kowalski, K² Engineering, Inc.

Attachments } *Willard Hanks*
Randy Fike } 2-3-95 B

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

also wish to receive the following services (for an extra fee):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Alan G. Payne Mgr
 Kearney Development Co., Inc
 8621 Martin Luther King Blvd,
 East
 Tampa, FL 33610

4a. Article Number
 Z 751 860 034

4b. Service Type
 Registered Insured
 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
 2-17-95

5. Signature (Addressee)
 [Signature]

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

6. Signature (Agent)
 [Signature]

PS Form 3811, December 1991 *U.S. GPO: 1992-323-402 * **DOMESTIC RETURN RECEIPT**

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

Z 751 860 034



Receipt for Certified Mail

No Insurance Coverage Provided
 Do not use for International Mail
 (See Reverse)

PS Form 3800, March 1993

Sent to	Alan G. Payne
Street and No.	Mgr - Payne M Co.
P.O., State and ZIP Code	Kearney Development Co., Inc 8621 Martin Luther King Blvd, Tampa, FL 33610 East
Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	AP29-261151 TE*SN mailed 2-3-95 statewide og. potential

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STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CERTIFIED MAIL

In the Matter of an
Application for Permit by:

DEP File No. AC 29-261151
Hillsborough Co.
Statewide Oper.

Mr. Alan G. Payne, Manager
Kearney Development Company, Inc.
8621 M. L. King Boulevard E.
Tampa, Florida 33610

INTENT TO ISSUE

The Department of Environmental Protection (Department) hereby gives notice of its intent to issue a construction permit (copy attached) for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Kearney Development Company, Inc., applied on November 21, 1994, for a permit to operate an existing portable soil cement plant throughout Florida. The application requests an increase in the hours per year the plant may operate, a revision of the current emission testing requirements, and authorization to operate the plant in any county in Florida. The current permit for the plant (AO 29-173523) limits operations to only those counties regulated by the Department's Central and Southwest Districts.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-212 and 62-4, Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The Department has determined that a construction permit is required for the proposed work.

Pursuant to Section 403.815, F.S., and Rule 62-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless a 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, F.S.. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of their receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. 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, F.S.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and,

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 position taken by it in this intent. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this intent in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under

Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



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

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this INTENT TO ISSUE and all copies were mailed by certified mail before the close of business on 2/3/95 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

2/3/95
Date

Copies furnished to:

cc: District Air Program Administrators
Local County Air Program Administrators
Joseph Kowalski, K² Engineering, Inc.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF INTENT TO ISSUE PERMIT

AC 29-261151

The Department of Environmental Protection (Department) hereby gives notice of its intent to issue an air pollution construction permit (AC 29-261151) to Kearney Development Company, Inc., 8621 Martin Luther King Blvd. East, Tampa, FL 33610. The permit authorizes the operation of a portable soil cement plant in any county in Florida. Particulate matter emissions from the plant will be limited to a maximum of 4.5 lbs/hr and 2.6 TPY in order to avoid RACT (Reasonably Available Control Technology) requirements pursuant to Rule 62-296.700(2)(a), Florida Administrative Code (F.A.C.). The plant will also emit the products of combustion from a 210 HP diesel engine. Best Available Control Technology (BACT) and Lowest Achievable Emission Rate (LAER) determinations were not required. These emissions will not cause a violation of any ambient air quality standard. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition by an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. 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, F.S.

The Petition shall contain the following information; (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of

the Department's action or proposed action; and, (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code.

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:

The Department of Environmental Protection District offices located at:

160 Governmental Center, Pensacola, FL 32501-5794
8407 Laurel Fair Drive, Tampa, FL 33619
2295 Victoria Ave., Ste. 364, Ft. Myers, FL 33901
7825 Baymeadows Way, Ste. B200, Jacksonville, FL 32256-7577
3319 Maguire Blvd., Ste. 232, Orlando, FL 32803-3767
1900 S. Congress Ave., Ste. A, West Palm Beach, FL 33406

The County Environmental offices located at:

218 S.W. First Ave., Ft. Lauderdale, FL 33301
33 S.W. Second Ave., Ste. 9-223, Miami, FL 33130
421 W. Church St., Ste. 412, Jacksonville, FL 32202-4111
1410 N. 21st St., Tampa, FL 33605
901 Evernia St., West Palm Beach, FL 33402-0029

Any person may send written comments on the proposed action to Mr. A. A. Linero, at the Department of Environmental Protection, Bureau of Air Regulation, Mail Station 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. All comments received within 30 days of the publication of this notice will be considered in the Department's final determination.

Technical Evaluation
and
Preliminary Determination

Kearney Development Company, Inc.
8621 Martin Luther King Blvd. E.
Tampa, FL 33610

Portable Soil Cement Plant
Statewide Operation

File No.: AC 29-261151

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

February 3, 1995

I. GENERAL INFORMATION

A. Applicant

Kearney Development Company, Inc.
8621 Martin Luther King Blvd. E.
Tampa, FL 33610

B. Request

On November 21, 1994, Kearney Development Company, Inc., submitted an application for permit to operate a portable soil cement plant (SIC 3272) throughout Florida. The existing plant's current permit limits operation to central Florida (all counties under the jurisdiction of the Central and Southwest District offices). The applicant is also requesting to increase the hours of operation and change the testing requirements for the cement silo. The application was considered complete on December 22, 1994.

C. Process

This portable soil cement plant is mobile construction equipment used to blend soil and cement to prepare foundations for roads and other structures. Major components of the plant are a cement silo, aggregate hopper, water tank, and pugmill mixer.

Cement is brought to the plant in trucks and pneumatically unloaded into the silo at a rate of approximately 36 TPH. The air carrying the cement to the silo passes through a baghouse before being discharged to the ambient air.

Aggregate (lime rock, shell, clay, crushed concrete, sand, etc.) are placed in a hopper by construction equipment, such as a payloader. The aggregate and cement are transferred to the pugmill by conveyer belts where it is mixed with water. Another belt conveyer is used to transfer the damp mixture to a dump truck. The truck hauls the soil cement to the construction site. Up to 200,000 tons per year of aggregate may be processed by this plant.

Power for the plant is provided by a 210 HP diesel engine.

The plant is moved frequently. It can be operated at several construction sites during the same day.

D. Emissions

Particulate matter and products of combustion from the diesel engine are emitted from this plant.

I. GENERAL INFORMATION

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Kearney Development Company, Inc.
8621 Martin Luther King Blvd. East
Tampa, FL 33610

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This portable soil cement plant is mobile construction equipment used to blend soil and cement to prepare foundations for roads and other structures. Major components of the plant are a cement silo, aggregate hopper, water tank, and pugmill mixer.

Cement is brought to the plant in trucks and pneumatically unloaded into the silo at a rate of approximately 36 TPH. The air carrying the cement to the silo passes through a baghouse before being discharged to the ambient air.

Aggregate (lime rock, shell, clay, crushed concrete, sand, etc.) are placed in a hopper by construction equipment, such as a payloader. The aggregate and cement are transferred to the pugmill by conveyer belts where it is mixed with water. Another belt conveyer is used to transfer the damp mixture to a dump truck. The truck hauls the soil cement to the construction site. Up to 200,000 tons per year of aggregate may be processed by this plant.

Power for the plant is provided by a 210 HP diesel engine.

The plant is moved frequently. It can be operated at several construction sites during the same day.

D. Emissions

Particulate matter (PM) and products of combustion from the diesel engine are emitted from this plant.

Based on the guaranteed efficiency of the baghouse, PM emissions from the silo were estimated to be 0.01 lb/hr or 0.006 TPY for 1,170 hrs/yr of pneumatic transfer of cement to the silo (4.5 hrs/day, 5 days/week, and 52 weeks/yr). However, in order to avoid RACT (Reasonably Available Control Technology) requirements pursuant to Rule 62-296.700(2)(a), the maximum allowable PM emission shall not exceed 4.5 lbs/hr (2.6 TPY).

The unconfined PM emissions from the material handling (aggregate and cement) are controlled by water sprays.

The diesel engine will consume 10.5 gallons per hour of diesel fuel and operate at 2200 RPM. The estimated emissions from the diesel engine are 0.01 lb/hr PM, 0.36 lb/hr sulfur oxides, 2.8 lbs/hr nitrogen oxides, and 6.91 lbs/hr carbon monoxide.

II. Rule Applicability

The proposed project, a modification to an existing portable soil cement plant that will be operated throughout the state, is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Chapters 62-4, 62-210, 62-212, 62-272, 62-296, and 62-297, Florida Administrative Code (F.A.C.).

The plant may be operated in areas designated attainment for all criteria air pollutants (Rule 62-275.400, F.A.C.), nonattainment for ozone and PM (Rule 62-275.410, F.A.C.), unclassified for PM₁₀ and sulfur dioxide (Rule 62-275.420, F.A.C.), and maintenance for ozone (Rule 62-275.600, F.A.C.).

The plant is a minor source for all regulated air pollutants. The plant is not subject to the RACT for PM because allowable emissions are less than 5 lbs/hr and 15 TPY (Rule 62-296.700(2), F.A.C.).

The plant is subject to Rule 62-212.300, F.A.C., which pertains to sources not subject to the Prevention of Significant Deterioration or nonattainment review. The plant is subject to Rule 62-296.414, F.A.C., Concrete Batching Plants, which limits visible emissions from the silo, hopper, storage, and conveying equipment to 5 percent opacity. The plant is subject to the Unconfined Emissions of PM regulations, Rule 62-296.310(3), F.A.C. The plant is subject to the Notification of Intent to Relocate requirements in Rule 62-210.900(3), F.A.C.

III. Technical Evaluation

Loading of the silo, storage and transfer of the raw materials, and operation of the diesel engine have the potential to emit air pollutants.

A DCE Dalamatiac Dust Collector, guaranteed by the manufacturer to be 99.9 percent efficient, is used to control particulate matter emissions during the pneumatic loading of the cement silo. Approximately 6 truck loads of cement (27 tons/truck) are transferred to the silo each day. It takes about 45 minutes to unload a cement truck. The emissions from the dust collector during this operation shall not exceed 5 percent opacity.

Reasonable precautions, such as water spray, are used to control unconfined emissions of particulate matter.

IV. Ambient Air Impact

The low emissions from this portable plant will not have a significant impact on the ambient air quality.

V. Conclusion

Based on the information provided by Kearney Development Company, Inc., the Department has reasonable assurance that the proposed operation of the portable soil cement plant, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, or any other technical provision of Chapters 62-212 and 62-4 of the Florida Administrative Code.

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Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

PERMITTEE:
Kearney Development Company, Inc.
8621 Martin Luther King Blvd. East
Tampa, Florida 33610

Permit Number: AC 29-261151
Expiration Date: Sept. 1, 1995
County: Statewide
Project: Portable Soil
Cement Plant

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210, 62-212, 62-272, 62-275, 62-276, and 62-297, Florida Administrative Code (F.A.C.). The above named permittee is hereby authorized to perform the work or operate the emission unit shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department of Environmental Protection (Department) and specifically described as follows:

For the modification of the operation of an existing portable soil cement plant. Major components of the Aran continuous mixing plant (Model No. ASR-280B, Serial No. 053) are a 47 ton cement silo equipped with a DCE Volkes Series DLMV 10/10 baghouse, aggregate hopper, water tank, pugmill mixer, conveyers, Caterpillar diesel engine (Model No. 3208, Serial No. 90N68412), and associated equipment.

The plant may be operated in any county in Florida that the public notice requirements have been met and at any construction site that the permittee has listed in the Notification of Intent to Relocate Air Pollutant Emitting Facility.

Completion of construction of this source shall be in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application received November 21, 1994.
2. Department's letter dated December 12, 1994.
3. KDC, Inc.'s letter received December 22, 1994.

PERMITTEE:

Kearney Development Company, Inc.

Permit Number: AC 29-261151

Expiration Date: Sept. 1, 1995

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, F.S. 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), F.S., 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 acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a

PERMITTEE:

Kearney Development Company, Inc.

Permit Number: AC 29-261151

Expiration Date: Sept. 1, 1995

GENERAL CONDITIONS:

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.

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 F.S. or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, F.S. 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 F.S. after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by F.S. or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance

PERMITTEE:

Kearney Development Company, Inc.

Permit Number: AC 29-261151

Expiration Date: Sept. 1, 1995

GENERAL CONDITIONS:

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 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.

PERMITTEE:

Kearney Development Company, Inc.

Permit Number: AC 29-261151

Expiration Date: Sept. 1, 1995

SPECIFIC CONDITIONS:

CONSTRUCTION

1. No alternations shall be made to the portable soil cement plant that has the potential to increase air pollutant emissions without prior written approval from the Department's Bureau of Air Regulation.

EMISSIONS STANDARDS, TESTING, AND RECORD REQUIREMENTS

2. Visible emissions from the cement silo, aggregate hopper, aggregate storage area, and plant conveyers shall not exceed 5 percent opacity pursuant to Rule 62-296.414(1), F.A.C.

3. Visible emissions from the diesel engine shall be less than 20 percent opacity pursuant to Rule 62-296.310(2), F.A.C.

4. The silo baghouse and diesel engine shall be tested annually for visible emissions by EPA Method 9, as described in 40 CFR 60, Appendix A (July 1, 1994), while cement is being transferred. The maximum rate shall not exceed 36 TPH. Minimum test time is 30 minutes. The baghouse shall be inspected and repaired, if needed, prior to erection of the silo at any location. The results of each inspection and any maintenance done on the baghouse shall be recorded in the plant operation log. These records shall be kept for a minimum of two years for inspection by the Department.

5. In order to avoid RACT (Reasonably Available Control Technology) requirements pursuant to Rule 62-296.700(2)(a), F.A.C., emissions of particulate matter from the cement silo baghouse shall not exceed 4.5 pounds per hour and 2.6 TPY. To ensure that these emission limits are met, the loading time of the cement silo shall not exceed 4.5 hours per day (equivalent to unloading six 27-ton loads of cement from trucks or 162 tons of cement per day), 5 days per week, and 52 weeks per year. Not more than 200,000 tons of aggregate shall be processed by this facility during any 12-month period. If there is a good reason to believe that the particulate matter emission standard is not being met, the Department may require that compliance with the particulate matter standard be measured using EPA Method 5 as described in 40 CFR 60, Appendix A (July 1, 1993), in accordance with Rule 62-297.340(2), F.A.C. A written log of daily cement transfer shall be kept for a minimum of 2 years and available for inspection to the Department.

PERMITTEE: Permit Number: AC 29-261151
Kearney Development Company, Inc. Expiration Date: Sept. 1, 1995

SPECIFIC CONDITIONS:

6. The air program administrators for the Department's Districts or county environmental programs having jurisdiction over the site where the plant will be tested and the Department's Bureau of Air Regulation shall be notified in writing at least 15 days in advance of any compliance test scheduled to be conducted on this plant.

7. Reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provisions in Rule 62-296.310(3), F.A.C. These provisions are applicable to any source, including but not limited to, vehicular movement, transportation of materials, construction, alterations, or industrial related activities such as loading, unloading, storing, and handling of materials. Wetting the material with water to minimize dust is considered reasonable precautions for this plant.

8. Operation of this facility shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. (Rule 62-296.320(2), F.A.C.)

9. At least 7-days prior to relocating the plant, the permittee shall notify the air program administrator for the Department's District and, if applicable, county environmental program, along with the Department's Bureau of Air Regulation, all potential sites that the plant may be operated at in the next 30 days. The notification will be on DEP Form 62-210.900(3), F.A.C. All potential construction sites may be shown on a USGS topographic map. Unless notified otherwise by an environmental agency, the plant may be relocated and operated at any site on the list.

10. Submit to the Department's Bureau of Air Regulation for this plant for each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Section 403.061(13), F.S.; and Rule 62-210.370(2)(b), F.A.C:

- (A) Annual amount of materials and/or fuels utilized.
- (B) Annual emissions (note calculation basis).
- (C) Emissions test report.
- (D) Any changes in the information contained in the permit application.

11. 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. (Rule 62-4.090, F.A.C.)

PERMITTEE: Kearney Development Company, Inc. **Permit Number:** AC 29-261151
Expiration Date: Sept. 1, 1995

SPECIFIC CONDITIONS:

12. An application for an operation permit must be submitted to the Department's Bureau of Air Regulation 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 permittee shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit. (Rule 62-4.220, F.A.C.)

Issued this _____ day
of _____, 1995

**STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION**

Howard L. Rhodes, Director
Division of Air Resources
Management

Attachments Available Upon Request

Florida Department of
Environmental Protection

Memorandum

To: Bruce Mitchell *RA*
Al Linero
Clair Fancy

From: Willard Hanks *wmh*

Date: February 1, 1995

Subject: Kearney Development Company, Inc.

Attached for your approval and distribution is a Preliminary Determination and proposed construction permit for a mobile soil cement plant.

This existing plant now has a permit that allows it to operate in central Florida. The purpose of this application is to authorize operation throughout the state.

The primary source of emission in this facility is a cement silo that is loaded pneumatically. The proposed permit imposes the visible emissions standards for Concrete Batching Plant. The diesel engine that powers it was also given a visible emission standard. Fugitive emissions are controlled by wetting.

The applicant said the plant is moved frequently and there was a problem providing advance notice. The permit requires him to provide a list, at least 7 days in advance, of all sites he may operate at during the next month.

If this facility obtains a permit that allows operation in any part of the state, it will have to be tracked by the Bureau of Air Regulations.

CF/WH/h

~~Inlet Sags 0.01 LB/hr @ 5' @ 0.006 TSP
Cond. Inlet #5 Sags 4.9# / hr @ 2.1 TSP~~

2-3-95
W. Hanks
Michael Cant.
Bon

Underground Utilities ☆ *Site Development* ☆ *Since 1956*

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

December 20, 1994

DEC 22 1994

Mr. John C. Brown, Jr., PE
Florida Department of
Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Bureau of
Air Regulation

RE: Kearney Development Co., Inc. FILE NO. AC 29-2611151

Dear Mr. Brown:

This correspondence is to address your December 12, 1994, Completeness Review letter.

- Item 1** - As noted on Page 7 of the Attachments to the application, the ARAN Model No. is ASR-280B and the Serial No. is 053.
- Item 2** - Various aggregates are mixed with the cement. Primarily limerock, shell, clay, crushed concrete and sand.
- Item 3** - On a yearly basis, the maximum quantity of aggregate processed by this plant is 200,000 tons per year.
- Item 4** - To minimize fugitive dust emissions at the point where the raw materials are introduced into the pugmill mixer, the pugmill is designed with water spray bars which continuously spray the raw materials.
- Item 5** - The power source for the ARAN continuous mixing plant is a Caterpillar Diesel Engine, Model No. 3208 and Serial No. 90N68412. The maximum fuel consumption is 10.5 gallons per hour at 2200 rpm and the potential emissions can be found in the attached Emissions Data.

I trust this information is acceptable. Please contact me if you require any further information.

Respectfully,



Alan G. Payne

Manager-Pugmill Operations

AGP/agp

Cc: Bing Kearney, KDC

Bryan Kearney, KDC

Joseph Kowalski, K² Engineering, Inc.

Attachments: 1) General Performance Data.
2) Emissions Data.

E14

INDUSTRIAL ENGINE PERFORMANCE DATA
 IM0186-11 3208 DJ NA IND-DIESEL 210 HP (156.5 KH) @ 2800 RPM IND-C (INT) 1900 1000

GENERAL PERFORMANCE DATA

	2000	2700	2600	2500	2400	2300	2200	2100	2000	1900	1000
ENGINE SPEED RPM	210	200	205	202	199	194	190	185	170	161	
ENGINE POWER HP	156.5	155.0	153.1	150.8	140.1	145.0	141.6	137.6	132.9	127.1	120.1
ENGINE TORQUE FT-LB	394	404	415	425	434	444	454	462	468	471	470
ENGINE TORQUE N.M	534	548	562	576	589	602	615	626	635	639	637
ENGINE BHEP PSI	93	96	98	101	103	105	107	109	111	112	111
ENGINE BHEP KPA	643	661	678	694	710	726	741	754	765	770	760
SPECIFIC FUEL CONSUMPTION LB/HP-HR	.426	.419	.413	.406	.399	.395	.388	.386	.386	.388	.393
SPECIFIC FUEL CONSUMPTION G/KH-HR	259	255	251	247	243	240	236	235	235	236	239

FUEL RATE GAL/HR	12.8	12.4	12.1	11.7	11.3	10.9	10.5	10.1	9.8	9.4	9.0
FUEL RATE LPH	48.3	47.0	45.7	44.2	42.7	41.2	39.7	38.3	37.0	35.7	34.2
INTAKE MANIFOLD TEMP DEG F	82.4	83.3	83.7	83.8	83.8	83.5	83.1	82.9	82.8	82.9	83.8
INTAKE MANIFOLD TEMP DEG C	28.0	28.5	28.7	28.8	28.8	28.6	28.4	28.3	28.2	28.3	28.8

INTAKE MANIFOLD PRESSURE IN-HG KPA

INTAKE AIR FLOW CFM	410	399	392	378	367	353	335	321	307	293	275
INTAKE AIR FLOW M3/MIN	12	11	11	11	10	10	10	9	9	8	0

EXHAUST MANIFOLD TEMP ... DEG F	1423	1399	1374	1347	1319	1294	1275	1282	1296	1315	1335
EXHAUST MANIFOLD TEMP ... DEG C	772.7	759.6	745.6	730.3	714.9	701.3	690.4	694.2	702.4	712.9	724.1

EXHAUST MANIFOLD STACK TEMPERATURE ... DEG F	1363	1344	1322	1294	1266	1240	1217	1215	1226	1246	1271
EXHAUST MANIFOLD STACK TEMPERATURE ... DEG C	740	729	717	701	685	671	650	657	663	674	680

EXHAUST GAS FLOW CFM	1413	1367	1317	1257	1197	1134	1074	1024	978	943	911
EXHAUST GAS FLOW M3/MIN	40	39	37	36	34	32	30	29	28	27	26

INDUSTRIAL ENGINE PERFORMANCE DATA
 TMO186-11 320B DI MA IND-DIESEL 210 HP (156.5 KH) @ 2000 RPM IND-C (INT) DRY HELD MECMA
 EXH SYK DIA 4.0 IN (102 MM) EFF SERIAL NO. 90M55649

SEP 94 610

TEST POINTS DATA - - - - - RATED SPEED - - - - -

ENGINE SPEED.....	RPM	2000	2800	2800	2800	2800
PERCENT LOAD.....	PCT	100	75	50	25	
ENGINE POWER.....	HP	211	157	105	52	
	KW	157.0	117.0	78.0	39.0	
NOX (AS NO2)	LB/HR	2.8	2.5	1.7	.9	
	G/HR	1280	1118	749	425	
CO.....	LB/HR	5.91	.60	.43	.90	
	G/HR	2673	270	195	409	
TOTAL HC.....	LB/HR	.07	.11	.16	.21	
	G/HR	33	52	72	96	
CO2.....	LB/HR	280.8	201.9	143.9	95.1	
	KG/HR	127.37	91.57	65.27	43.13	
SOX (AS SO2)	LB/HR	.36	.26	.18	.12	
	G/HR	165	116	83	55	
PART MATTER.....	LB/HR	.81	.12	.05	.06	
	G/HR	368	54	22	26	
O2 (DRY) IM EXH (VOL) ...	PCT	4.78	9.57	12.79	15.45	
SHOKE OPAC &.....	PCT	29.2	3.5	.8	.8	
BOSCH SMOKE NO.....		4.96	1.64	1.27	1.28	

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