



Department of Environmental Protection

FILE COPY

Lawton Chiles
Governor

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

ENTERED

JUL 30 1996

Virginia B. Wetherell
Secretary

PERMITTEE:

Quikrete of Pensacola, Inc.

AIRS I.D. Number: 1130031

Air Permit Number: 1130031001A~~F~~

Emission Units: 001,002

Date of Issue: July 16, 1996

Expiration Date: July 16, 2001

County: Santa Rosa

Project: Cement Concrete Dry Mix Packaging Plant

The AF Code was not available at this time

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 62-296, 62-297 and 62-4. The above named applicant, hereinafter called 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:

Construction of a cement concrete dry mix packaging plant consisting of two cement/fly ash silos, five aggregate storage silos, a rotary drum dryer and packaging operation. The storage silos store cement/fly ash and are pneumatically loaded from truck transporters. Particulate emissions during pneumatic loading of the cement/fly ash silos are controlled by baghouses #1 and #3, both manufactured by Flexkleen, model 18BVEC1611 for cement/fly ash silos #1 and #2, respectively. Aggregate (coarse sand and gravel) is handled in storage silos A-E. Particulate emissions from aggregate storage silos A & B are controlled by baghouse #4, manufactured by American Air Filter, model FP7 30022. Particulate emissions from aggregate storage silos C, D & E are controlled by baghouse #5, manufactured by American Air Filter, model FP7 30022. The rotary drum dryer is fueled by liquid propane (LP) gas at a maximum rate of 127 gallons per hour, 10.7 million BTU's per hour. Particulate emissions from the rotary drum dryer are controlled by a dry cyclone followed by a baffle type wet scrubber. Particulate emissions from the packaging operation are controlled by baghouse #2, manufactured by Fuller, type 3.

This after-the-fact construction project is intended to make process and emission restrictions on the facility to become a minor facility. (Synthetic Non-Title V Source)

Located at 7101 Windwood Lane, Milton, north of I-10 at Highway 191 exit approximately three miles south of Milton, Santa Rosa County.

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SPECIFIC CONDITIONS:

General

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]

Operation

2. The hours of operation are limited to 3000 hours per year. [FAC Rule 62-4.070(3) and April 22, 1996 construction permit application]

3. The maximum allowable operating rate is 40 tons of aggregate fed to the rotary drum dryer, 30 tons of cement concrete premix bagged per hour and 25 tons of cement/fly ash loaded to the silos per hour. These are the rates at which compliance with standards shall be demonstrated. [FAC Rule 62-4.070]

4. All reasonable precautions shall be taken to prevent emissions of unconfined particulate matter. Reasonable precautions shall include, but are not limited to, the following [FAC Rule 62-296.320(4)(c)]:

- a. Paving and maintenance of roads, parking areas and yards.
- b. Application of water when necessary to control emissions
- c. Removal of particulate matter from roads and other paved areas under control of the owner or operator, and from buildings or work areas to prevent reentrainment.
- d. Enclosure or covering of conveyor systems.
- e. Curtailing of operation if winds are entraining unconfined particulate matter.
- f. Posting of vehicle (or truck) speed limits.
- g. Use of a spray bar or chute to mitigate emissions at the drop point to the truck.

5. Neither the owner nor operator shall allow any person to circumvent any pollution control device nor allow the emissions of air pollutants without the applicable air pollution control device operating properly. [FAC Rule 62-210.650]

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SPECIFIC CONDITIONS:

Emissions

6. The silo(s), hopper, and other storage or conveying equipment shall be controlled to the extent necessary to limit visible emissions to 5 percent opacity. [FAC Rule 62-296.414(1)]

7. Particulate emissions from the rotary drum dryer shall not exceed 30.57 pounds per hour at operating rates between 36 tons per hour to a maximum rate of 40 tons per hour. [FAC Rule 62-296.320(4)(a)]

8. The manner, nature, volume and frequency of permitted emissions, facility-wide applicable emissions limiting standards (if any) and allowable emissions are listed as per FAC Rule 62-210.300(2)(a):

<u>Airborne Contaminant Emitted</u>	<u>FAC Rule</u>	<u>Emission Cap [tons/year]</u>
PM	62-210.300(2)(b)	48.9
PM-10	62-210.300(2)(b)	21.6
SO2	62-210.300(2)(b)	0.3
CO	62-210.300(2)(b)	20.4
NOx	62-210.300(2)(b)	1.5
VOC	62-210.300(2)(b)	1.0

Testing

9. Emissions test for the following pollutants on each stack or vent emission unit listed, according to the test methods and frequency indicated, notifying the Department 15 days prior to testing. Testing is to be conducted within 60 days of the baseline date of January 31. Submit the test report documentation to the Department within 45 days after completion of testing.

<u>Pollutant</u>	<u>Frequency</u>	<u>Test Method</u>	<u>Emission Unit(s)</u>
PM	Once before operation permit renewal	EPA Method 5	001 (rotary dryer)
VE	annual	EPA Method 9	001 (all baghouses)

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The Permittee shall conduct VE testing while loading the silo at a rate that is representative of the normal silo loading rate. The normal silo loading rate shall be at least 25 TPH and silo loading shall occur in less than one hour. The rotary drum dryer shall be PM tested within 90-100% of the maximum allowable operating rate of 40 tons of aggregate per hour. Each test report shall state the actual silo loading rate during emissions testing. [FAC Rule 62-4.070(3)]

Test reports shall comply with F.A.C. Rule 62-297.570, Test Reports. The Department can require special compliance tests in accordance with F.A.C. Rule 62-297.340(2).

Administrative

10. An Application for an Operation Permit, Form DEP 62-210.900(1) with the appropriate fee shall be submitted in quadruplicate. The permittee shall obtain an operating permit for this source before the expiration of this construction permit if the permittee desires to continue operation. [FAC Rule 62-4.050]

11. An annual operation report (DEP Form 62-210.990(5)) shall be submitted by March 1st of each year. A copy of the form and instructions may be obtained from the Department of Environmental Protection, Northwest District, Air Resources Management Program, (904) 444-8364. [FAC Rule 62-210.370]

12. The permanent source identification numbers for these point sources are:

1130031001 Concrete Products Processing/Packaging
(baghouses #1-5, cyclone and scrubber)

1130031002 Material Storage Yard

Please cite the appropriate number on all test reports and other correspondence specific to each permitted point source. [FAC Rule 62-297.310(8)]

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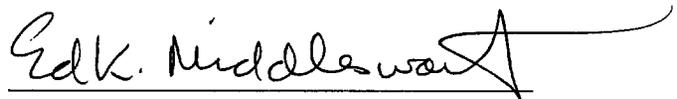
SPECIFIC CONDITIONS:

13. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8364, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 488-1320. For routine business, use telephone number (904) 444-8364 during normal working hours. [FAC Rule 62-210.700]

Expiration Date:

Issued this 16th day of July,
1996.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



ED K. MIDDLESWART, P.E.
Air Program Administrator

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 403.141, 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. 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 acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are 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 this permit;
 - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

GENERAL CONDITIONS:

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 provide the Department with the following information:

- a. A description of and cause of noncompliance; 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. 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 proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, as applicable. The permittee shall be liable for any noncompliance 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. 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.

GENERAL CONDITIONS:

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 measurement;
- the person responsible for performing the sampling or measurement;
- 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.

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 the 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.