



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
SOUTH DISTRICT  
P.O. BOX 2549  
FORT MYERS, FL 33902-2549  
[SouthDistrict@dep.state.fl.us](mailto:SouthDistrict@dep.state.fl.us)

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

CLIFFORD D. WILSON III  
INTERIM SECRETARY

Mr. Thomas Fabbrini  
Regional Operations Manager  
The QUIKRETE Companies, Inc.  
7000 Progress Drive  
Punta Gorda, FL 33982

Re: Project No. 0430025-004-AC  
Greencore Ortona Plant - 790  
Mortar, Stucco and Grout Manufacturing Facility  
with Rotary Drum Sand Dryer

Revised Air Construction Permit

Dear Mr. Fabbrini:

On November 4, 2014, you submitted an application requesting a revision to Air Construction Permit No. 0430025-002-AC. This revision is to re-locate six (6) EXEMPT Silos and one (1) EXEMPT Plant Dust Collection System Baghouse to a location "outside" of the process building. The facility is located in Glades County at 8725 Florida Highway 78 in Moore Haven, Florida. Enclosed are the following documents: the Written Notice of Intent to Issue Air Permit; the Public Notice of Intent to Issue Air Permit; the Technical Evaluation and Preliminary Determination; and the draft revisions to the existing permit documents. This revision permitting package contains the draft revision portions of the existing permit documents. The full existing permit documents are not part of this package. Electronic copies of the full existing permit documents are available on the following web site: <http://www.dep.state.fl.us/air/emission/apds/default.asp>. The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. If you have any questions, please contact the project engineer, Carter B. Endsley, P.E., at (239) 344-5637.

Sincerely,

\_\_\_\_\_  
Jon M. Iglehart  
Director of  
District Management

December 2, 2014  
(Date)

Enclosures

JMI/CBE/se



FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
SOUTH DISTRICT  
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RICK SCOTT  
GOVERNOR

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LT. GOVERNOR

CLIFFORD D. WILSON III  
INTERIM SECRETARY

*In the Matter of an  
Application for Air Permit by:*

The QUIKRETE Companies, Inc.  
7000 Progress Drive  
Punta Gorda, Florida 33982

Project No. 0430025-004-AC  
Minor Air Construction Permit  
Glades County, Florida

*Authorized Representative:*  
Mr. Thomas Fabbrini  
Regional Operations Manager

Grencore Ortona Plant-790  
Revision of Air Construction  
Permit No. 0430025-002-AC

**Facility Location:** QUIKRETE Companies, Inc., has a Mortar, Stucco and Grout Manufacturing Facility located in Glades County at 8725 Florida Highway 78, in Moore Haven, Florida.

**Project:** This is a revision to original Air Construction Permit No. 0430025-002-AC that was issued on November 14, 2013. The original facility design had four (4) dry ingredient Silos, two (2) Sand Silos and one (1) Plant Dust Collection System Baghouse located inside the process building. This revision re-locates these EXEMPT items to a location outside of the process building. (The items are exempt due to minimal emissions less than 5 tons per year of particulate matter (PM)). Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination. This revision permitting package contains the draft revision portions of the existing permit documents. The full existing permit documents are not part of this package. Electronic copies of the full existing permit documents are available on the following web site: <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Department of Environmental Protection's Engineering and Permitting Section in the South District Office is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33901. The Permitting Authority's mailing address is: P.O. Box 2549, Fort Myers, Florida 33902-2549. The Permitting Authority's telephone number is (239) 344-5600.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the draft revisions, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

**Notice of Intent to Issue Permit:** The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will

issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Public Notice:** Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

**Comments:** The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

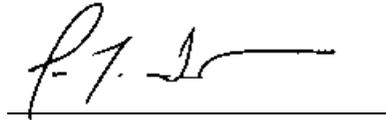
**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. A petition for administrative hearing must contain the information set forth below and must be filed (received) with the Agency Clerk in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, [Agency.Clerk@dep.state.fl.us](mailto:Agency.Clerk@dep.state.fl.us), before the deadline. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this written notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available in this proceeding.

Executed in Fort Myers, Florida



Jon M. Iglehart  
Director of  
District Management

December 2, 2014  
Date

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permit package (including the Written Notice of Intent to Issue Air Permit, the Public Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination and the Draft Permit Revisions) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on December 1, 2014, to the persons listed below.

- Thomas Fabbrini ([tfabbrini@quikrete.com](mailto:tfabbrini@quikrete.com))
- Lynn Robinson, P.E. ([lrobinson@sesfla.com](mailto:lrobinson@sesfla.com))
- Carter B. Endsley, P.E. ([carter.endsley@dep.state.fl.us](mailto:carter.endsley@dep.state.fl.us))

Clerk Stamp

**FILED AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



(Clerk)

December 2, 2014  
(Date)

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection  
South District Office, Engineering and Permitting Section,  
Draft Minor Source Air Construction Permit  
Project No. 0430025-004-AC  
The QUIKRETE Companies, Inc.  
Greencore Ortona Plant-790  
Glades County, Florida

**Applicant:** The applicant for this project is The QUIKRETE Companies, Inc. The applicant's authorized representative and mailing address is: Mr. Thomas Fabbrini, Regional Operations Manager, QUIKRETE Companies, Inc., 7000 Progress Drive, Punta Gorda, Florida, 33982.

**Facility Location:** The QUIKRETE Companies, Inc. has a Mortar, Stucco and Grout Manufacturing Facility in Glades County at 8725 Florida Highway 78 in Moore Haven, Florida.

**Project:** This is a revision to Air Construction permit No. 0430025-002-AC that was issued on November 14, 2013. This revision is to relocate the following units to a location "outside" of the process building: Two (2) sand silos (filled by bucket elevator and gravity feed from a distributor hopper), four (4) dry ingredient silos with dust collectors (that are filled pneumatically from bulk trucks), and one (1) plant dust collection baghouse. (The baghouse has a negative fan and collects residual dust from four (4) pickup points over the bagging machines which are located inside the process building). The Silos have emissions of 0.21 tons per year of particulate matter (PM), and the Baghouse has emissions of 3.4 tons per year of particulate matter. These emissions are below the 5.0 tons per year threshold which allows them to be classified as insignificant and EXEMPT from permit testing.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Permitting Authority responsible for making a permit determination for this project is the Department of Environmental Protection's Engineering and Permitting Section in the South District Office. The Permitting Authority's physical address is: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33901. The Permitting Authority's mailing address is: P.O. Box 2549, Fort Myers, Florida 33902-2549. The Permitting Authority's telephone number is (239) 344-5600.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the physical address indicated above for the Permitting Authority. The complete project file includes the draft revisions to the existing permit, the Technical Evaluation and Preliminary Determination, and the application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.). This revision permitting package contains the draft revision portions of the existing permit documents. The full existing permit documents are not part of this package. Electronic copies of the full existing permit documents are available on the following web site: <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

Interested persons may contact the Permitting Authority's project engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue a revised air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will

(Public Notice to be Published in the Newspaper)

comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the draft permit revisions unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the proposed draft permit revisions for a period of 14 days from the date of publication of this Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of the 14-day period. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. A petition for administrative hearing must contain the information set forth below and must be filed (received) with the Agency Clerk in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, [Agency.Clerk@dep.state.fl.us](mailto:Agency.Clerk@dep.state.fl.us), before the deadline. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this written notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available for this proceeding.

**(Public Notice to be Published in the Newspaper)**



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
SOUTH DISTRICT  
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RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

CLIFFORD D. WILSON III  
INTERIM SECRETARY

**\*\*\* DRAFT REVISIONS TO PERMIT \*\*\***

*Electronic Mail  
Received Receipt Requested*

**PERMITTEE**

The QUIKRETE Companies, Inc.  
7000 Progress Drive  
Punta Gorda, Florida 33982

Authorized Representative:  
Thomas Fabbrini  
Regional Operations Manager

Air Permit No. 0430025-004AC  
Permit Expires: DRAFT

Greencore Ortona Plant-790  
Minor Source Air Construction Permit  
(Revision of Air Construction Permit  
No. 0430025-002-AC)

This is the draft revision portion of Air Construction permit No. 0430025-002-AC that was issued on November 14, 2013. This revision is to relocate the following EXEMPT units to a location "outside" of the process building:

Two (2) sand silos (filled by bucket elevator and gravity feed from a distributor hopper), four (4) dry ingredient silos with dust collectors (that are filled pneumatically from bulk trucks). and one (1) plant dust collection baghouse. (The baghouse has a negative fan and collects residual dust from four (4) pickup points over the bagging machines which are located inside the process building).

The Silos have emissions of 0.21 tons per year of particulate matter (PM), and the Baghouse has emissions of 3.4 tons per year of particulate matter. These emissions are below the 5.0 tons per year threshold which allows them to be classified as insignificant and EXEMPT from permit testing.

The proposed work will be conducted at the Greencore Ortona Plant-790, which is a Mortar, Stucco and Grout Manufacturing Facility (Standard Industrial Classification No. 3299). The facility is located in Glades County at 8725 Florida Highway 78 in Moore Haven, Florida. The UTM coordinates are Zone 17, 470.0 km East, and 2966.0 km North. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

This final permit is organized by the following sections:

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

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and Page 1 of 6

**AIR CONSTRUCTION PERMIT (DRAFT)**

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is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Fort Myers, Florida

**DRAFT**

\_\_\_\_\_  
Jon M. Iglehart  
Director of  
District Management

\_\_\_\_\_  
Date

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on \_\_\_\_\_, to the persons listed below.

Thomas Fabbrini ([tfabbrini@quikrete.com](mailto:tfabbrini@quikrete.com))  
Lynn Robinson, P.E. ([lrobinson@sesfla.com](mailto:lrobinson@sesfla.com))  
Carter B. Endsley, P.E. ([carter.endsley@dep.state.fl.us](mailto:carter.endsley@dep.state.fl.us))

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

\_\_\_\_\_  
(Clerk)

\_\_\_\_\_  
(Date)

**SECTION 1. GENERAL INFORMATION (DRAFT)**

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**FACILITY AND PROJECT DESCRIPTION**

**Existing Air Construction Permit No. 0430025-002-AC is incorporated by reference.**

The new Mortar, Stucco and Grout Manufacturing Facility includes one (1) rotary drum sand dryer (EU-001) with associated baghouse that is fired by LPG or No. 2 fuel oil. The facility also includes two (2) sand silos, four (4) ingredient silos, one (1) plant dust collection baghouse, conveyors, hoppers and bagging systems. The Rotary Drum Sand Dryer unit is subject to NSPS requirements of 40 CFR Part 60, Subpart UUU – Standards of Performance for Calciners and Dryers in Mineral Industries. The dryer is fired by No. 2 fuel oil or LPG.

<b>Facility ID No. 0430025</b>	
<b>ID No.</b>	<b>Emission Unit Description</b>
001	Rotary Drum Sand Dryer with associated 16,000 acfm Baghouse.

**Proposed Project (Revision)**

This project will revise air Construction permit No. 0430025-002-AC to relocate the following units outside of the process building:

Two (2) sand silos (filled by bucket elevator and gravity feed from a distributor hopper), four (4) dry ingredient silos with dust collectors (that are filled pneumatically from bulk trucks). and one (1) plant dust collection baghouse. (The baghouse has a negative fan and collects residual dust from four (4) pickup points over the bagging machines which are located inside the process building).

The Silos have emissions of 0.21 tons per year of particulate matter (PM), and the Baghouse has emissions of 3.4 tons per year of particulate matter. These emissions are below the 5.0 tons per year threshold which allows them to be classified as insignificant and EXEMPT from permit testing.

**REGULATORY CLASSIFICATION OF REVISIONS**

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

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1. Permitting Authority: The permitting authority for this project is the South District Engineering and Permitting Section, Florida Department of Environmental Protection (Department). The South District's mailing address is P.O. Box 2549, Fort Myers, Florida 33902-2549. All documents related to applications for permits to operate an emissions unit shall be submitted to the South District.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the South District Office. The mailing address and phone number of the South District Office is: P.O. Box 2549, Fort Myers, Florida 33902-2549 and (239) 344-5600.
3. Appendices: The following Appendices are attached as part of this permit:
  - a. Appendix A. Citation Formats and Glossary of Common Terms;
  - b. Appendix B. General Conditions;
  - c. Appendix C. Common Conditions;
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Source Obligation:
  - (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
  - (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.[Rule 62-212.400(12), F.A.C.]
8. Application for Air Operation Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. An air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for an air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for an air operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220 and Chapter 62-213, F.A.C.]

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

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#### A. EU Group Description

This section of the permit addresses the following EXEMPT units.

**Project:** This is a revision to Air Construction permit No. 0430025-002-AC that was issued on November 14, 2013. This revision is to relocate the following units to a location “outside” of the process building:

Two (2) EXEMPT sand silos (filled by bucket elevator and gravity feed from a distributor hopper), four (4) EXEMPT dry ingredient silos with dust collectors (that are filled pneumatically from bulk trucks), and one (1) EXEMPT plant dust collection baghouse. (The baghouse has a negative fan and collects residual dust from four (4) pickup points over the bagging machines which are located inside the process building). The Silos have emissions of 0.21 tons per year of particulate matter (PM), and the Baghouse has emissions of 3.4 tons per year of particulate matter. These emissions are below the 5.0 tons per year threshold which allows them to be classified as insignificant and exempt from permit testing.



**TECHNICAL EVALUATION  
&  
PRELIMINARY DETERMINATION**

**APPLICANT**

The Quikrete Companies, Inc.  
7000 Progress Drive  
Punta Gorda, Florida 33982

Greencore Ortona Plant-790  
Facility ID No. 0430025

**PROJECT**

Project No. 0430025-004AC  
Application for Minor Source Air Construction Permit  
Minor Revision – Relocation of six (6) EXEMPT Silos and one (1) EXEMPT Plant Dust Collection System  
Baghouse to outside of Process Building

**COUNTY**

Glades, Florida

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection  
Engineering and Permitting Section  
South District Office  
2295 Victoria Avenue  
Fort Myers, FL 33901  
[SouthDistrict@dep.state.fl.us](mailto:SouthDistrict@dep.state.fl.us)

December 2, 2014

## 1. GENERAL PROJECT INFORMATION

### Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources – Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources – Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

### Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

### Facility Description and Location

The Quikrete Companies, Inc. facility has six (6) EXEMPT silos, one (1) EXEMPT plant dust collection baghouse and a rotary drum sand dryer with associated 16,000 acfm baghouse (EU-001) that are to be located outside of the process building. There are conveyors, collection hoppers and bagging systems that are enclosed inside the process building.

The EXEMPT silos include two (2) sand silos filled by bucket elevator and gravity feed from a distributor hopper, and four (4) dry ingredient silos with dust collectors that are filled pneumatically from bulk trucks. (The silos emissions are 0.21 TPY). The EXEMPT plant dust collection baghouse (emissions of 3.4 TPY) has a negative fan and collects residual dust from four (4) pickup points over the bagging machines which are located in the building.

The rotating sand dryer and 16,000 acfm baghouse (EU-001) are NOT exempt and have PM emissions computed as 9.8 TPY. This emission unit is subject to NSPS requirements of 40 CFR Part 60, Subpart UUU – Standards of Performance for Calciners and Dryers in Mineral Industries. The dryer is fired by No. 2 fuel oil or LPG.

This is non-Title V Source, which is categorized under Standard Industrial Classification Code No. 3299. The facility is located in Glades County at 8725 Florida Highway 78 in Moore Haven, Florida. The UTM coordinates of the existing facility are Zone 17, 470.0 km East, and 2966.0 km North. This site is in an area that is in attainment (or designated as unclassifiable) for all air pollutants subject to state and federal Ambient Air Quality Standards (AAQS).

### Revision Portion Regulatory Categories

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act.
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

## Project Description

The original facility design had four (4) dry ingredient silos, two (2) sand silos and the plant dust collection system (baghouse) located inside the process building. (Ref. 0430025-002-AC). Due to building final roof design and cost analysis, the final construction design places these items outside the building.

## Processing Schedule

11/04/2014 Received the application for a minor source air pollution construction permit revision. (Revises Air Construction Permit No. 0430025-002-AC)

## 2. PSD APPLICABILITY

### General PSD Applicability

For areas currently in attainment with the state and federal AAQS or areas otherwise designated as unclassifiable, the Department regulates major stationary sources of air pollution in accordance with Florida's PSD preconstruction review program as defined in Rule 62-212.400, F.A.C. Under preconstruction review, the Department first must determine if a project is subject to the PSD requirements ("PSD applicability review") and, if so, must conduct a PSD preconstruction review. A PSD applicability review is required for projects at new and existing major stationary sources. In addition, proposed projects at existing minor sources are subject to a PSD applicability review to determine whether potential emissions *from the proposed project itself* will exceed the PSD major stationary source thresholds. A facility is considered a major stationary source with respect to PSD if it emits or has the potential to emit:

- 250 tons per year or more of any regulated air pollutant; or
- 100 tons per year or more of any regulated air pollutant and the facility belongs to one of the following 28 PSD-major facility categories: fossil fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input, coal cleaning plants (with thermal dryers), Kraft pulp mills, portland cement plants, primary zinc smelters, iron and steel mill plants, primary aluminum ore reduction plants, primary copper smelters, municipal incinerators capable of charging more than 250 tons of refuse per day, hydrofluoric, sulfuric, and nitric acid plants, petroleum refineries, lime plants, phosphate rock processing plants, coke oven batteries, sulfur recovery plants, carbon black plants (furnace process), primary lead smelters, fuel conversion plants, sintering plants, secondary metal production plants, chemical process plants, fossil fuel boilers (or combinations thereof) totaling more than 250 million British thermal units per hour heat input, petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels, taconite ore processing plants, glass fiber processing plants and charcoal production plants.

Once it is determined that a project is subject to PSD preconstruction review, the project emissions are compared to the "significant emission rates" defined in Rule 62-210.200, F.A.C. for the following pollutants: carbon monoxide (CO); nitrogen oxides (NO<sub>x</sub>); sulfur dioxide (SO<sub>2</sub>); particulate matter (PM); particulate matter with a mean particle diameter of 10 microns or less (PM<sub>10</sub>); volatile organic compounds (VOC); lead (Pb); fluorides (Fl); sulfuric acid mist (SAM); hydrogen sulfide (H<sub>2</sub>S); total reduced sulfur (TRS), including H<sub>2</sub>S; reduced sulfur compounds, including H<sub>2</sub>S; municipal waste combustor organics measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans; municipal waste combustor metals measured as particulate matter; municipal waste combustor acid gases measured as SO<sub>2</sub> and hydrogen chloride (HCl); municipal solid waste landfills emissions measured as non-methane organic compounds (NMOC); and mercury (Hg). In addition, significant emissions rate also means any emissions rate or any net emissions increase associated with a major stationary source or major modification which would construct within 10 kilometers of a Class I area and have an impact on such area equal to or greater than 1 µg/m<sup>3</sup>, 24-hour average.

If the potential emission exceeds the defined significant emissions rate of a PSD pollutant, the project is considered "significant" for the pollutant and the applicant must employ the Best Available Control Technology (BACT) to minimize the emissions and evaluate the air quality impacts. Although a facility or project may be *major* with respect to PSD for only one regulated pollutant, it may be required to install BACT controls for several "significant" regulated pollutants.

**TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION**

**PSD Applicability for Project**

Although the total facility consists of silos, dust collectors, baghouses, hoppers, conveyors, bagging operation, bucket elevator, and rotary drum sand dryer inside a building, this project only addresses the relocation of the four (4) exempt silos and plant dust collection baghouse to a location outside of the process building.

As provided in the application, the following table summarizes potential emissions and PSD applicability for the total facility project.

Table A. Potential Emissions for TOTAL facility (Tons/Year) and PSD Applicability

<b>Pollutant</b>	<b>(Total Facility) Potential Emissions (TPY)</b>	<b>Significant Emissions Rate (TPY)</b>	<b>Subject To PSD?</b>
CO	10.1	100	No
NO <sub>x</sub>	17.5	40	No
PM/PM <sub>10</sub>	13.41	25/15	No
SO <sub>2</sub>	24.8	40	No
VOC	1.1	40	No

As shown in the above table, total project emissions will not exceed the PSD significant emissions rates; therefore, the project is not subject to PSD preconstruction review.

**3. APPLICATION REVIEW**

**Discussion of Emissions**

The PM emissions for the Silos (loading) is 0.21 ton/yr of PM and 0.07 ton/yr of PM10. = < 5 tpy = exempt

The PM emissions of the Plant Dust Collection System is 3.4 ton/yr. = <5 tpy = exempt.

The PM emissions for the Rotating Sand Dryer and associated 16,000 acfm Baghouse (EU-001) is 9.8 tpy (includes PM from combustion) and this is subject to NSPS- 40 CFR Part 60, Subpart UUU, Standards of Performance for Calciners and Dryers in Mineral Industries. Particulate matter emissions not to exceed 0.057 gram/dry standard cubic meter. Visual emissions (VE) is not to be greater than 10 percent opacity.

The Rotating Sand Dryer burner is fired by No.2 fuel oil or LPG.

LPG - Emissions (ton/yr.)

NO <sub>x</sub> @ 17.45	CO @ 10.1	PM @ 0.94	VOC @ 1.1	SO <sub>2</sub> @ 0.02
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NO. 2 Fuel Oil – Emissions (ton/yr.)

NO <sub>x</sub> @ 17.5	CO @ 4.4	PM @ 1.7	SO <sub>2</sub> @ 24.8	TOC @ 0.49
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**Other Draft Permit Requirements**

For reference - The Rotary Sand Dryer (Emission Unit 001) is fired by propane or #2 fuel oil. It is permitted under Air Construction permit No. 0430025-002-AC, and is subject to NSPS requirements of 40 CFR Part 60, Subpart UUU – Standards of Performance for Calciners and Dryers in Mineral Industries.

**4. PRELIMINARY DETERMINATION**

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Carter B. Endsley, P.E. is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's South District Office at 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902.