FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
South District Office
P.O. Box 2549
Fort Myers, FL 33902-2549

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SECRETARY

Sent by Electronic Mail – Received Receipt Requested

PERMITTEE

Greencore, LLC
P.O. Box 55639
St. Petersburg, FL 33732-5639

Authorized Representative:
Richard E. Hamel, Vice President

Air Permit No. 0430025-002-AC
Permit Expires: **March 14, 2015**

Greencore Moore Haven Facility
Minor Source Air Construction Permit
Rotary Drum Sand Dryer

This is the final air construction permit, which authorizes the permittee to construct a new cement mortar, stucco and grout manufacturing facility. The proposed work will be conducted at Greencore, LLC's Moore Haven facility, which is a nonmetallic mineral products manufacturing facility (Standard Industrial Classification No. 3299). The facility will be located in Glades County at 8725 Highway 78, 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 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

November 14, 2013

_____ _____

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 November 14, 2013 to the persons listed below.

Richard E. Hamel, Greencore, LLC (Rhamel044@yahoo.com)
Lynn Robinson, P.E., Southern Environmental Sciences, Inc. (lrobinson@sesfla.com

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)

FACILITY AND PROJECT DESCRIPTION

The applicant proposes to construct a new cement mortar, stucco and grout manufacturing facility. The project consists of one sand dryer burning liquid propane fuel or #2 fuel oil, conveyors, hoppers and internal warehouse equipment. Emissions from the dryer are controlled by a fabric filter baghouse. Potential particulate emissions for the project are 9.8 tons per year. Potential sulfur dioxide emissions are 24.8 tons per year.

This project will add the following emissions units.

Facility ID No. 0430025	
ID No.	**Emission Unit Description**
001	Rotary drum sand dryer

FACILITY REGULATORY CLASSIFICATION

- 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.
- The facility is subject to the NSPS requirements of 40 CFR Part 60, Subpart UUU.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the South District Office, Florida Department of Environmental Protection (Department). The South District Office's mailing address is P.O. 2549, Fort Myers, Florida 33902-2549. The phone number of the South District Office is (239) 344-5600. All documents related to applications for permits to operate an emissions unit shall be submitted to the South District Office.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the South District Office. The contact information is given in the previous paragraph.
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;
   d. Appendix D. Common Testing Requirements; and
   e. Appendix E. 40 CFR, Part 60, Subpart A – General Provisions.
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, 62-213, 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. Application for Non-Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Non-Title V 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 a Non-Title V 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.]

EU-001 Rotary Drum Sand Dryer

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	One rotary drum sand dryer, fired by propane or #2 fuel oil. The emissions are controlled by a baghouse.

EQUIPMENT

1. Rotary Drum Dryer: The permittee is authorized to install one 30-foot long, 5-foot diameter rotary drum sand dryer. The dryer is manufactured by Newman Industries. [Permit No. 0430025-001-AC]

2. Burner: The dryer is equipped with a burner fueled by liquid propane or #2 fuel oil.

3. Baghouse: Particulate matter emissions are controlled by a pulse-jet fabric filter baghouse. The baghouse has 144 bags. The dimensions of each bag are 6 inches by 10 feet. The baghouse has a total percent efficiency of control at least 98%.

4. Conveyors: Dried sand is conveyed from the dryer to the warehouse by a covered conveyor and an enclosed bucket elevator.

PERFORMANCE RESTRICTIONS

5. Permitted Capacity: The throughput shall not exceed 72 tons/hour (dry sand). [Rule 62-210.200(Potential to Emit), F.A.C.]

6. Authorized Fuel:

   a. Authorized fuel for the dryer burner is liquid propane (LPG). The heat input rate shall not exceed 27.9 MM Btu/hr. [Permit No. 0430025-001-AC and Rule 62-210.200(Potential to Emit), F.A.C.]

   b. Authorized fuel for the dryer burner is #2 fuel oil. The heat input rate shall not exceed 27.9 MM Btu/hr. The sulfur content of the fuel shall not exceed 0.2%. [Permit No. 0430025-002-AC and Rule 62-210.200(Potential to Emit), F.A.C.]

7. Restricted Operation: The hours of operation of are not limited (8760 hours per year). [Rules 62-4.070(3) and 62-210.200(Potential to Emit), F.A.C.]

EMISSIONS STANDARDS

8. Emissions Standards:

   a. No emissions discharged into the atmosphere shall contain particulate matter in excess of 0.057 gram/dry standard cubic meter. [40 CFR 60 Subpart UUU, Permit No. 0430025-001-AC and Rule 62-204.800(7)(b)74, F.A.C.]

   b. Visual Emissions shall not exhibit greater than 10 percent opacity. [40 CFR 60 Subpart UUU, Permit No. 0430025-001-AC and Rule 62-204.800(7)(b)74, F.A.C.]

TESTING REQUIREMENTS

9. Initial Compliance Tests: The emissions unit shall be tested to demonstrate initial compliance with the emissions standards for Particulate Matter and Visual Emissions. The initial tests shall be conducted within 60 days after achieving permitted capacity, but not later than 180 days after initial operation of the unit. [Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

10. Annual Compliance Tests: During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the emissions standards for Particulate Matter and Visual Emissions. [Rule 62-297.310(7)(a)4, F.A.C.]

11. Test Requirements:

    a. The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

    b. Emissions concentrations for Particulate Matter shall be tested using Method 5. [62-204.800(7)(b)74, F.A.C.]

    c. Visual determination of the opacity of emissions (Visual Emissions) shall be conducted using Method 9 and the procedures in 40 CRF Subpart 60.11. [62-204.800(7)(b)74, F.A.C.]

12. Test Methods: Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
5	Determination of Particulate Matter Emissions from Stationary Sources. (Sample time and volume for each test run shall be at least 2 hours and 1.70 dscm).
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-204.800, F.A.C.; and Appendix A of 40 CFR 60]

RECORDS AND REPORTS

13. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. For each test run, the report shall also indicate the particulate matter concentration and opacity. [Rule 62-297.310(8), F.A.C.]

14. Operational Data: The permittee shall keep daily records of fuel usage and dry sand production rates. The records shall be held at the facility for a minimum of five years and available for inspection by the Department. [Rule 62-213.440(1)(b)2, F.A.C.]