FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

RICK SCOTT
GOVERNOR

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SECRETARY

PERMITTEE

H.B. Fuller Construction Products
1913 NW 60th Lane
Gainesville, Florida 32653

Air Permit No. 0010069-010-AO
Issuance Date: October 15, 2013
Expiration Date: October 15, 2018

Authorized Representative:

Mr. Larry Bible, Plant Manager

H.B. Fuller Construction Products

PROJECT AND LOCATION

This operation permit renews the previous operation permit, No. 0010069-008-AO. The existing facility H.B. Fuller Construction Products is a Mortar and Grout Processing Plant (Standard Industrial Classification No. 5032). The facility is located in Alachua County at 1913 NW 60th, Lane Gainesville, Florida. The UTM coordinates are Zone 17, 369.5 km East, and 3287.1 km North.

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

This Air Operation 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 operate in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department. Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

Any party to the Order has the right to seek judicial review of the Order pursuant to Section l20.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Mail Station 35, 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 of Appeal must be filed within 30 days after the Final Order is filed with the Clerk of the Department, 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 Jacksonville, Florida

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Richard S. Rachal III, P.G.
Program Administrator
Waste and Air Resource Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Notice of Issuance 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 **October 15, 2013** to the persons listed below.

Mr. Larry Bible, Plant Manager, H.B. Fuller Company (LARRY.BIBLE@HBFULLER.COM
Mr. James Konuch, P.E., CHMM, CSP, North America Region EHS Manager, H.B. Fuller Company (James.Konuch@hbfuller.com)

Clerk Stamp
FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), F.S., with the designated agency clerk, receipt of which is hereby acknowledged.

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(Clerk) October 15, 2013

FACILITY AND PROJECT DESCRIPTION

Existing Facility

H.B. Fuller Company is a Mortar and Grout Processing Plant with thirteen emissions points each equipped with a control device that controls PM emissions produced by the pneumatic loading of raw materials from container trucks into bagging and packaging areas, storage silos and product receiving bins.
Compliance with the facility-wide emissions shall be accomplished through emissions testing.

The facility is a minor source of air pollution because the potential emissions of regulated air pollutants are less than 100 tons per year, and individual and total hazardous air pollutants are less than 10 and 25 tons per year, respectively in accordance with Chapter 62-210, F.A.C.

The facility consists of the following permitted emissions unit and points.

Facility ID No. 0010069

EU ID No. 001	**Mortar and Grout Processing Plant**			
Emission Point	**Description**	**Control Device Information**		**Particulate Matter (PM/PM_{10}) Emissions TPY [1]**
01	Process Central Dust Collector No. 1 *Bag Break Station, Weigh Hopper, Minor Ingredient Weigh Hoppers, and Minor Ingredient Feed Hoppers vent to this control device*	Baghouse No.1 – Torit Model DFT 4-16, with high efficiency particulate cartridges/filters	Outlet Gas Flow Rate..... 6,909 ACFM @ 80 °F Cleaning Method…….. Pulse-jet No. of Filters……. 16 Total Area to Filter Media (sq. ft.)…. 3040	1.816 [2]
02	Process Central Dust Collector No. 2 *Packaging Area (Bagging), Weigh Scale Station, and Batch Hopper vent to this control device*	Baghouse No.2 –Tenkay Model 03322HCR 3, Size 20L, with high efficiency particulate cartridges/filters	Outlet Gas Flow Rate.....… 10,000 ACFM@ 80 °F Cleaning Method….. Pulse-jet	2.628 [2]
03	Silo 1	Flex-Kleen Model 100-BVBS-25	Outlet Gas Flow Rate.....… 600 ACFM@ 80 °F	0.451 [3]
04	Silo 2	Flex-Kleen Model 100-BVBS-25	Outlet Gas Flow Rate.....… 600 ACFM@ 80 °F	0.451 [3]
05	Silo 3	Flex-Kleen Model 100-BVBS-25	Outlet Gas Flow Rate.....… 600 ACFM@ 80 °F	0.451 [3]
06	Silo 4	Flex-Kleen Model 100-BVBS-25	Outlet Gas Flow Rate.....… 600 ACFM@ 80 °F	0.451 [3]
07	Silo 5	Flex-Kleen Model 100-BVBS-25	Outlet Gas Flow Rate.....… 600 ACFM@ 80 °F	0.451 [3]

Emission Point	Description	Control Device Information		Particulate Matter (PM/PM_{10}) Emissions TPY [1]
08	Silo 6	Flex-Kleen Model 100-BVBS-25	Outlet Gas Flow Rate.....… 600 ACFM@ 80 °F	0.451 [3]
09	Silo 7	Flex-Kleen Model 100-BVBS-25	Outlet Gas Flow Rate..... 600 ACFM@ 80 °F	0.451 [3]
010	Product Receiving Bin 1	CAMCORP Model 7PRT24 Pulse-Jet Baghouse Dust Collector with high efficiency particulate cartridges/filters	Outlet Gas Flow Rate..... 1,100 ACFM@ 80 °F Cleaning Method…….. Reverse Pulse-jet No. of Bags……. 24 Bag Material……... 16 oz. Polyester Singed Fabric Total Area to Filter Media (sq. ft.)…. 269 Air to Cloth Ratio…….. 4.1	0.826 [3]
011	Product Receiving Bin 2	CAMCORP Model 7PRT24 Pulse-Jet Baghouse Dust Collector with high efficiency particulate cartridges/filters	Outlet Gas Flow Rate.....… 1,100 ACFM@ 80 °F Cleaning Method…….. Reverse Pulse-jet No. of Bags……. 24 Bag Material……... 16 oz. Polyester Singed Fabric Total Area to Filter Media (sq. ft.)…. 269 Air to Cloth Ratio…….. 4.1	0.826[3]
012	Product Receiving Bin 3	CAMCORP Model 7PRT24 Pulse-Jet Baghouse Dust Collector with high efficiency particulate cartridges/filters	Outlet Gas Flow Rate.....… 1,100 ACFM@ 80 °F Cleaning Method…….. Reverse Pulse-jet No. of Bags……. 24 Bag Material……... 16 oz. Polyester Singed Fabric Total Area to Filter Media (sq. ft.)…. 269 Air to Cloth Ratio…….. 4.1	0.826[3]
013	Product Receiving Bin 4	CAMCORP Model 7PRT24 Pulse-Jet Baghouse Dust Collector with high efficiency particulate cartridges/filters	Outlet Gas Flow Rate.....… 1,100 ACFM@ 80 °F Cleaning Method…….. Reverse Pulse-jet No. of Bags……. 24 Bag Material……... 16 oz. Polyester Singed Fabric Total Area to Filter Media (sq. ft.)…. 269 Air to Cloth Ratio…….. 4.1	0.826 [3]
Facility-Wide Total Potential Emissions				**10.901**

[1] For informational purposes only estimated potential emissions either provided in previous air permit applications or in Department files, for all emission sources permitted to operate at this facility.
[2] Vendor guaranteed emission rate of 0.007 gr/acf.
[3] Vendor guaranteed emission rate of 0.02 gr/ acf.

H.B. Fuller Construction Products Process Flow Diagram

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility does not operate 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(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection (Department), Northeast District Office, Waste and Air Resource Management. The Northeast District Office's mailing address is 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to the Northeast District.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Northeast District Office, Compliance Assurance. The mailing address and phone number of the District Office is: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256. The Compliance Authority's telephone number is 904/256-1700.

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

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 owner or operator from compliance with any applicable federal, state, or local permitting or regulations.

   [Rule 62-210.300, F.A.C.]

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. Existing Permits and Regulations: The conditions of this permit supplements all other previously issued air construction permits for this facility. These conditions are in addition to all other applicable permit conditions and regulatory requirements. The owner or operator shall continue to comply with the conditions of those permits, which include restrictions and standards regarding capacities, production, operation, fuels, emissions, monitoring, recordkeeping, reporting, operation of air pollution control devices, and the like. The owner or operator shall also comply with the applicable Rules of 62-4, 62-210, 62-212, 62-296, and 62-297, F.A.C.

   [Rule 62-4.070, F.A.C.]

8. 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.]

9. A completed **Application for Air Permit – Non-Title V Source Renewal** [DEP Form No. 62-210.900(4), F.A.C.] shall be submitted to the Department at least 60 days prior to the expiration date of this operation permit. To properly apply for an operation permit, the permittee shall submit the appropriate application form, processing fee, and compliance test reports as required by this permit.

   [Rules 62-4.030, and 62-4.050, F.A.C.]

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Mortar and Grout Processing Plant

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. Permitted Capacity. The nominal loading or unloading rate (as specified) of each silo, product receiving bin, and the processing rate at the bagging and packaging area is stated below. At no time shall multiple product receiving bins be operated at the specified nominal loading rate simultaneously.

Emission Point	Description	Material	Rate (TPH)
01	Process Central Dust Collector No. 1	Unloading Product at the Bagging and Packaging Area	12.0
02	Process Central Dust Collector No. 2	Unloading Product at the Bagging and Packaging Area	12.0
03	Silo 1	Gray Cement	28.0
04	Silo 2	Sand	15.0
05	Silo 3	Calcium Carbonate	31.0
06	Silo 4	Sand	25.0
07	Silo 5	White Cement	28.0
08	Silo 6	Gray Cement	28.0
09	Silo 7	Sand	15.0
10	Product Receiving Bin No. 1	Product	12.0
11	Product Receiving Bin No. 2	Product	12.0
12	Product Receiving Bin No. 3	Product	12.0
13	Product Receiving Bin No.4	Product	12.0

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C., Air Construction Permit No. 0010069-002-AC; Air Construction Permit No. 0010069-005-AC]

2. Hours of Operation. The hours of operation of each emission point are not restricted, i.e. 8760 hours per year of operation.

   [Rules 62-4.160(2), 62-210.200(PTE), F.A.C, Air Construction Permit No. 0010069-005-AC]

3. Control Equipment. To control particulate matter emissions at each of the above stated emission points, the control devices (i.e. baghouses, dust collectors, etc.), shall be in operation in order to achieve at least the emissions standards specified in this permit.

   [Rule 62-4.070(3), F.A.C.; Air Construction Permit No. 0010069-005-AC]

EMISSION LIMITATIONS AND PERFORMANCE STANDARD

4. Visible Emissions. Each of the control devices (i.e. baghouses, dust collectors, etc.) at each of the emissions points shall be operated such that Visible emissions from each of these emissions points shall not exceed 5 percent opacity.

   [Rule 62-4.070(3), F.A.C.; Air Construction Permit No. 0010069-005-AC, Administrative Correction No. 0010069-006-AO]

5. Particulate Matter- Product Receiving Bins. Estimated particulate matter emissions from each of the product receiving bins, based on the vendor guarantee, is no more than 0.02 gr/acf.

   [Rule 62-4.070(3), F.A.C.; Air Construction Permit No. 0010069-005-AC]

TEST METHODS AND PROCEDURES

6. Visible Emissions. The Visible Emissions test method for each emissions point shall be EPA Method 9, incorporated in Chapter 62-297, F.A.C.

   The test shall be conducted by an observer certified in accordance with the requirements of Rule 62-297.320, F.A.C. – Standards for Persons Engaged in Visible Emissions Observations.

   These Visible Emissions compliance tests shall be conducted at each emissions point on an annual basis once each federal fiscal year (October 1 – September 30).

   [Rules 62-297.310(7)(a)4.a., F.A.C.; Air Construction Permit No. 0010069-005-AC]

7. Particulate Matter- Product Receiving Bins. The Product Receiving Bins shall be assumed to be in compliance with the Particulate Matter emission estimate stated in Specific Condition No. 5 if each of the emission points comply with the Visible Emissions limitations stated in Specific Condition No. 4.

   The permittee shall also conduct a compliance test upon Department request in accordance with the requirements of Appendix D Common Testing Requirements Condition No.4 b.

Specific Condition No. 7. Continued:

The test method shall be EPA Method 5, incorporated and adopted by reference in Chapter 62-297, F.A.C.

[Rule 62-297.310(7)(c),F.A.C.; Air Construction Permit No. 0010069-005-AC]

8. Compliance Test Procedures. Compliance test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

   [Rule 62-4.070(3), F.A.C.]

EQUIPMENT REQUIREMENTS

9. Control Equipment. Control equipment shall be provided with a method of access that is safe and readily accessible.

   [Rule 62-4.070, F.A.C.]

10. Control Devices Operation and Maintenance Plan. The dust collectors shall be maintained in accordance with recommendations provided by the vendor. All activities shall be performed as scheduled and recorded.

    This information shall be retained for at least 3 years from the date of measurement or recording, and be readily assessable for onsite review by the Department.

    [Rule 62-4.070(3), F.A.C.; Rule 62-4.160(6), F.A.C., Rule 62-4.160(14)(b), F.A.C.; Construction Permit No. 0010069-005-AC]

NOTIFICATIONS, RECORDKEEPING AND REPORTING REQUIREMENTS

11. Compliance Test Notification: The permittee shall notify the air compliance section of this office in writing in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.

    [Rule 62-297.310(7), F.A.C.]

12. Compliance Test Report Submittals. Test result reports shall be prepared and submitted in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit.

    [Rule 62-297.310(8)(b), F.A.C.]