



Florida Department of Environmental Protection

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
Phone: 904/807-3300 ♦ Fax: 904/448-4366

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

PERMITTEE:

Lafarge North America, Inc.
886 North Highway 17
Palatka, Florida 32177

Air Permit Number: 1070039-014-AC
Date of Issue: April 22, 2009
Expiration Date: April 22, 2010

Authorized Representative:
Debbie Master

PROJECT AND LOCATION

This permit authorizes the facility to relocate the existing BMA dust collector (EP014) to the Active Storage Dome & Building. This dust collector will now be referred to as BC-9 Nuisance Dust Collector and it will reduce the dust from the Emergency Live Bottom Feeder Hoppers (EU011), which are located within the Active Storage Dome & Building. This project also adds a new dust collector system (to replace the BMA dust collector) in the FGD active storage area at (EU014) Ball Mills.

The facility is located on 886 North, Highway 17, Palatka, Putnam County, Florida. The UTM coordinates are Zone 17, 438 km East and 3290 km North.

STATEMENT OF BASIS

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

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Executed in Jacksonville, Florida

Christopher L. Kirts, P.E.
Air Program Administrator

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SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

This facility is a fully integrated synthetic wallboard forming facility that consists of major activities areas such as: Raw material storage/processing, Cage Mill Dryer system and Wallboard processing.

CONTROL EQUIPMENT

Live Bottom Feeder Hopper: Baghouse BC-9 Nuisance Dust Collector

Ball Mills: Baghouse BMA Dust Collector

Emission Units and Points that will be affected by Project 014 are identified as follows:

<u>Emission Unit</u>	<u>Description</u>
011	Live Bottom Feeder Hopper
014	Ball Mills

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 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.

REGULATORY CLASSIFICATION

The following emission units are subject to NSPS requirements/standards in 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, and 40 CFR 60.7 through 40 CFR 60.11 (Subpart A, Standards of Performance for New Stationary Sources - General Provisions) adopted and incorporated by reference in Rule 62-204.800, F.A.C.

PERMIT HISTORY

Air Title V Permit No. 1070039-003-AV	Issued 05/22/2002
Air Construction Permit No. 1070039-004-AC	Issued 03/14/2002
Air Title V Permit No. 1070039-005-AV	Issued 09/19/2002
Air Title V Permit No. 1070039-006-AV	Issued 08/26/2003
Air Construction Permit No. 1070039-007-AC	Issued 06/18/2003
Air Title V Permit No. 1070039-008-AV	Issued 02/02/2005
Air Construction Permit No. 1070039-009-AC	Issued 12/07/2004
Air Construction Permit No. 1070039-010-AC	Issued 5/26/2005
Air Construction Permit No. 1070039-011-AC	Issued 8/2/2006
Air Title V Permit No. 1070039-012-AV	Issued 9/26/2006
Air Title V Permit No. 1070039-013-AV	Issued 5/30/2007

RELEVANT DOCUMENTS

Application For Air Construction Permit - Title V Source received January 12, 2009.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Northeast District Office, Florida Department of Environmental Protection (Department). The mailing address is 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590. All documents related to applications for permits to operate an emissions unit shall be submitted to this District office.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to permit the appropriate District Office or Local Program.

Department of Environmental Protection
Northeast District – Air Program
7825 Baymeadows Way, Suite B200
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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; and
 - d. Appendix D. Common Testing Requirements.
 - e. 40 CFR 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. Construction Permit Required. Unless exempt from permitting pursuant to Rule 62-210.300(3)(a) or (b), F.A.C., or Rule 62-4.040, F.A.C., an air construction permit shall be obtained by the owner or operator of any proposed new, reconstructed, or modified facility or emissions unit, or any new pollution control equipment prior to the beginning of construction, reconstruction pursuant to CFR 60.15 or 63.2, or modification of the facility or emissions unit or addition of the air pollution control equipment; or to establish a PAL; in accordance with all applicable provisions of Chapter 62-210, F.A.C., Chapter 62-212, F.A.C., and Chapter 62-4, F.A.C. [Rule 62-210.300(1)(a), F.A.C.]

SECTION 2. ADMINISTRATIVE REQUIREMENTS

8. Title V Operation Permit Revision Application Submittal. This permit authorizes modification of the permitted emissions units and initial operation to determine compliance with the terms of the permit. The permittee shall apply for a Title V Air Operation Permit Revision by submitting a complete Application for Air Permit - Long Form [DEP Form No. 62-210.900(1), F.A.C.], to the department at least ninety (90) days before the expiration of this construction permit, but no later than one-hundred eighty (180) days after commencing operation as modified. To apply for an operation permit, the applicant shall submit the appropriate application form, any required compliance test results, and such additional information as the Permitting Authority may by law require.

[Rules 62-4.030, 62-4.050, 62-4.220, and 62-213.420(1)(a)4., F.A.C.]

9. The ID Number and Project Name for this source shall be used on all correspondences.

10. Definitions. Rules 62-210.200(159), (230) and (245), F.A.C. define the following terms.

- a. *Startup* is defined as the commencement of operation of any emissions unit which has shut down or ceased operation for a period of time sufficient to cause temperature, pressure, chemical or pollution control device imbalances, which result in excess emissions.
- b. *Shutdown* is the cessation of the operation of an emissions unit for any purpose.
- c. *Malfunction* is defined as any unavoidable mechanical and/or electrical failure of air pollution control equipment or process equipment or of a process resulting in operation in an abnormal or unusual manner.

[Rule 62-210.200(159), (230), and (245), FAC.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. Emissions Unit 011 and 014

Emission Unit	Brief Description
011	Live Bottom Feeder Hopper
014	Ball Mills

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

A.1. Relation to Other Permits. The conditions of this permit will supplement and comply with conditions of all existing, valid, Department permits.

[Rules 62-4.210, 62-4.030, and 62-210.300(1)(b), F.A.C.]

A.2. Hours of Operation. The hours of operation for this emissions unit shall not exceed 8760 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.]

A.3. Permitted Capacity. This permit does not change any or establish any new emissions standards for these EUs. The maximum operating rates are listed below and shall not be exceeded without prior Department approval.

EU	Brief Description	Capacity	Control Equipment
011	Emergency Live Bottom Feed Hopper	25 tons	Baghouse BC-9 Nuisance Dust Collector
014	Ball Mills	N/A	Baghouse BMA Dust Collector

[Air Construction Permit Application dated 1/12/09]

OPERATING REQUIREMENTS

A.4. Emissions Limits and Standards. This permit does not change any or establish any new emissions standards for these EUs.

POLLUTANT	E.P.	STANDARD/LIMIT	EQUIVALENT RATE	RULE
PARTICULATE MATTER	EP 011, EP-014	0.02 gr/dscf (0.05 g/dscm)	0.19 lbs/hr, 0.83 TPY	40 CFR 60.672(a)(1)
		0.02 gr/dscf (0.05 g/dscm)	0.19 lbs/hr, 0.83 TPY	
VISIBLE EMISSIONS	EP 011, EP-014	7% Opacity and 10% Fugitive per EP		40 CFR 60.672(f) 40 CFR 60.672(a)(2) and (b)

[40 CFR 60.672]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

A.5. Pollutant Testing.

POLLUTANT	EMISSION POINT	METHOD	FREQUENCY	RULE
VISIBLE EMISSIONS	EP 011, EP-014	EPA 22	Annual	40 CFR 60.672(e) NOTE (1) 40 CFR 60.675(d)

NOTE (1) Exhibit no visible emissions **from the building** as determined by EPA Method 22.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. Emissions Unit 011 and 014

A.6. Visible Emissions Test (EP011 & 014): Visible Emissions tests initially and then shall be conducted yearly thereafter.

A.7. Unconfined Emissions: Reasonable precautions to minimize emissions of unconfined particulate matter (UPM) may include, as necessary the following:

- a. the application of wetting agents to the gypsum stockpile, as needed
- b. the use of enclosed, covered, and semi-enclosed conveyors as needed
- c. maintaining paved parking areas
- d. reduced speed for vehicular traffic
- e. and the implementation of good housekeeping practices.

[Rule 62-296.320(4)(c), F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Christopher L. Kirts, P.E.
District Air Program Administrator