



Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Colleen Castille
Secretary

PERMITTEE:

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

I.D. Number: 1070039
Permit/Cert Number: 1070039-011-AC
Date of Issue:
Expiration Date:
County: Putnam
Latitude/Longitude: 29°44'25"N; 81°38'28"W
UTM: E- (17) 438.00;N-3290.00
Project: Third IMP Mill System

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62-212, 62-272, 62-296, 62-297 and 62-4. The above named 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:

PROJECT

The purpose of this project is to construct a third IMP Mill system consisting of an IMP Mill Feed Silo C (EU-025), IMP Mill System C (EU-026), and Air Cooling System C (EU-027). *This project also revises the emission factors for Particulate (PM) for the two Cage Mill Dryers (EU-002 and EU-023) from 0.025 gr/dscf to 0.017 gr/dscf.*

Emission Unit	Description	Emission Point	Control System
EU-025	IMP Mill Feed Silo C	EP-002	Fabric Filter
		EP-023	Fabric Filter
EU-026	IMP Mill System C	EP-026	Fabric Filter
EU-027	Air Cooling System C	EP-027	Fabric Filter
EU-002	Cage Mill Dryer System	EP-002	Fabric Filter
EU-023	Cage Mill Dryer System #2	EP-023	Fabric Filter

FACILITY DESCRIPTION

This facility is a fully integrated synthetic wallboard forming facility that consists of major activities areas such as: raw material storage/ processing, cage dry mill system and wallboard processing.

OPERATING LOCATION

Located on 886 North, Highway 17, Palatka, Putnam County, Florida.

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RELEVANT DOCUMENTS

The documents listed below are the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

Air Construction Permit application 1070039-011-AC received November 11, 2005
Additional Information received March 20, 2006

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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 403.161, 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 the 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. Neither 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 is not 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 not 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 no 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 permitted 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, as 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 and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
 - a. Have access to and copy any record that must be kept under the conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor 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:

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GENERAL CONDITION 8. continued:

- a. a description of and cause of non-compliance; and
- b. the period of non-compliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

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 prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the 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, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- ☐ Determination of Best Available Control Technology (BACT)
- ☐ Determination of Prevention of Significant Deterioration (PSD)
- ☒ Compliance with New Source Performance Standards (NSPS)

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GENERAL CONDITIONS:

14. 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.
- 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 measurements;
 - the person responsible for performing the sampling or measurement;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

15. 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 that 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.

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SPECIFIC CONDITIONS:

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

1. The I.D. No. and project name for this source shall be used on all correspondence.
2. **Hours of Operation:** The hours of operation of the facility are not limited, i.e. 8760 hrs/yr.
[Rules 62-4.160(2), 62-210.200(PTE), F.A.C.]

EMISSION LIMITATIONS AND PERFORMANCE STANDARDS

3. **Permitted Capacity:** The maximum operating rates are listed below and shall not be exceeded without prior Department approval.

Emission Unit	Operating Capacity
EU 025 IMP Mill Feed Silo C	170 tons
EU 026 IMP Mill System C	Maximum Production Rate: 55 tons/ hour Maximum Heat Input Rate: 40 mmBtu/ hour
EU 027 Air Cooling System C	Maximum Production Rate: 55 tons/ hour

4. **Emission Limits:** The permitted maximum allowable emission rate for each pollutant is as follows:

Emission Point	Pollutant	Emission Limits	NSPS	Applicable Rule
EP-002	PM	0.017 gr/dscf	OOO & UUU	Note (1)
	VE	7% Opacity and 10% Fugitive		40 CFR 60.672(a)&(b)
EP-023	PM10	0.017 gr/dscf	OOO & UUU	Note (1)
	VE	7% Opacity and 10% Fugitive		40 CFR 60.672(a)&(b)
EP-026	PM	0.02 gr/dscf	OOO	40 CFR 60.672(a)&(b)
	VE	7% Opacity and 10% Fugitive		
EP-027	PM	0.02 gr/dscf	N/A	Note (1)
	VE	20% Opacity		62-296.320(4)(b)

Note (1): Limit requested by the facility to escape PSD review.

5. **Unconfined Particulate Matter:** Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include but are not limited to, the application of wetting agents to the gypsum stockpile, as needed, the use of enclosed, covered, and semi-enclosed conveyors as needed, and maintaining paved parking areas, reduced speed for vehicular traffic, and the implementation of good housekeeping practices.
[Rule 62-296.320(4)(c) 2, F.A.C]

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

6. **Continuous Opacity Monitoring System (COM) EP-023, EP-002:** The facility shall install, calibrate, maintain and operate a continuous opacity monitoring system to measure and record the opacity of emissions discharged into the atmosphere from the control device.
[Rule 40 CFR 60.734(a)]
7. **Compliance Testing:** Pursuant the provisions of 40 CFR Part 60.8, the Permittee shall test the emissions for the following pollutant(s) within 60 days after achieving the maximum production rate at which this emissions unit will be operated, but no later than 180 days after initial startup of the unit. Pursuant to 40 CFR 60.2, startup is defined as the setting in operation of an affected facility for any purpose. The Permittee shall notify the Department 15 days prior to testing pursuant to Rule 62-297.310(7)(a)9., F.A.C. Thereafter, compliance testing shall be conducted annually.

Pollutant	Test Interval	Test Method
PM	Annually EP-002, EP-023, EP-026, EP-027 Note (2)	EPA Method 5
VE	Annually EP-002, EP-023, EP-026, EP-027 Note (2)	EPA Method 9
VE	Annually EP-002, EP-023 Note (1)	EPA Method 22

Note (1) EP-002, EP-023, EP-026, EP-027: Rule 62-297.310(7)(a)4., F.A.C., a formal compliance test shall be conducted during each federal fiscal year (October 1 - September 30).

Note (2) Rule 62-297.310(7)(a)4., F.A.C., a formal compliance test shall be conducted during each federal fiscal year (October 1 - September 30).

8. **Compliance Test Notification:** The permittee shall notify the Department 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
[Rule 62-297.310(7)(a)9 F.A.C.]
9. **Operation During Compliance Test:** Unless otherwise stated in the applicable emission limiting standard rule, testing of emissions shall be conducted with the emissions unit operation at permitted capacity as defined in Specific Condition 2. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit.
[Rule 62-297.310(2)(b), F.A.C.]
10. **Compliance Test Procedures:** Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

Reporting and Recordkeeping Requirements

11. **Compliance Test Reports:** Reports of the required compliance tests shall be submitted as soon as practical but no later than 45 days after the last test is completed. Each test report shall include the maximum input / production rate at which this source was operated since the most recent test.

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12. **Continuous Opacity Monitoring System (COM) EP-023, EP-002:** Records of measurements required in Condition No. 6 shall be retained for at least 2 years.
[40 CFR 60.735(a)]
13. **Continuous Opacity Monitoring System (COM) EP-023, EP-002:** Submit written reports semiannually of exceedances of control device operating parameters required to be monitored by Condition No. 6.
[40 CFR 60.735(c)]
14. **Excess Emissions:** Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration.
[Rule 62-210.700(1), F.A.C.]
15. **Excess Emissions:** In case of excess emissions resulting from malfunctions, the permittee shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.
[Rule 62-210.700(6), F.A.C.]
16. When the department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the department.
[Rule 62-297.310(7)(b), F.A.C.]

ADMINISTRATIVE

17. Any revision(s) to a permit (and application) must be submitted to the Department, in writing, and approved by the Department prior to implementation.
[Rule 62-4.090, F.A.C.]

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

DRAFT

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