Department of
Environmental Protection

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

Jeb Bush
Governor

Colleen Castille
Secretary

PERMITTEE:

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

DRAFT

I.D. Number:	1070039
Permit/Cert Number:	1070039-010-AC
Date of Issue:	
Expiration Date:	
County:	Putnam
Latitude/Longitude:	29°44' 25"N; 81°38'51"W
UTM:	E-(17)438; N-3290
Project:	Portable Trommel Screen

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-210, 62- 204, 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 install and operate gypsum-processing equipment to enhance the ability of the plant to recycle reclaim wallboard as a raw material. The new emission unit, Reclaim Processing and Screening (EU024), will consist of a portable trommel screen that separates the paper from the wallboard using a screen and grinds the reclaim wallboard for use in the existing Norba Grinder and Hammermill System (EU009).

This project also serves the purpose of revising Air Construction Permit No. 1070039-009-AC to accommodate a design change. The purpose of Project 009 is to construct an additional surge bin and cage mill dryer, FGD Surge Bin #2 (EU022) and Cage Mill Dryer #2 (EU023); however, a second surge bin filter will not be built (EP022). Instead the new FGD Surge Bin #2 (EU022) will filter through the original surge bin filter system (EP001). As a result, EP022 is removed from the permit, and the NSPS Subpart OOO requirements are no longer applicable.

Please note the following revisions to Air Construction Permit No. 1070039-009-AC. EP022 requirements from Specific Condition 4: PM10, VE and Fugitive Emissions Emission Limits, are no longer applicable since EU022 vents to EP001. Note 1 from Specific Condition 7, which requires Method 22 Annual Visible Emissions Compliance Testing to be performed on EU022, will be conducted on EP001 instead of EP022.

Pollutants: PM/PM_{10}, Fugitives, NO_X, SO_2, VOC, and CO.

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.

REGULATORY CLASSIFICATION

Emission unit	Applicable regulations
EU024 Reclaim Processing and Screening	40 CFR 60 Subpart A 40 CFR 60 Subpart OOO

Operating Location

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

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.

Title V Air Operating Permit Renewal 1070039-008-AV issued February 2, 2005
Air Construction Permit application received April 15, 2005

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:

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)
(X) Compliance with New Source Performance Standards (NSPS)

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.

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 024 Reclaim Processing and Screening	Maximum Production Rate: 96 tons/ hour[1]

[1] 115 hp diesel-fuel fired industrial engine.

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

Emission Point	Pollutant	Emission Limits	Applicable Rule
EP024	VE	15% Opacity	40 CFR 60.672(c)

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. **Compliance Testing**:

Emission Point	Pollutant	Test Interval	Test Method	Applicable Rule
EU 024	VE	Annually **Note (1)**	EPA Method 9	40 CFR 60.675(c) Rule 62-297.310(7)(a)4., F.A.C.

Note (1) 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).

When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply: There are no individual readings greater than 15 percent opacity; and there are no more than 3 readings of 15 percent for the 1-hour period.
[40 CFR 60.675(c)(4)]

7. **Alternative Compliance Testing:** The owner or operator may use the following as alternatives to the reference methods and procedures above:
(1) If emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used: use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream, or separate the emissions so that the opacity of emissions from each affected facility can be read.
[40 CFR 60.675(e)]

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:** The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in Specific Condition 4., including reports of opacity observations made using Method 9 to demonstrate compliance with specific condition 6., and reports of observations using Method 22 to demonstrate compliance with specific condition 7.
[40 CFR 60.676(f)]

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

12. **Notification of Equipment Change:** When an existing facility is replaced by a piece of equipment of equal or smaller size (size means the rated capacity in tons per hour of a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station; the total surface area of the top screen of a screening operation; the width of a conveyor belt; and the rated capacity in tons of a storage bin) having the same function as the existing facility, the new facility shall submit the following information to the Department about the existing facility being replaced and the replacement piece of equipment:

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

(i) The total surface area of the top screen of the existing screening operation being replaced and

(ii) The total surface area of the top screen of the replacement screening operation.

(3) For a conveyor belt:

(i) The width of the existing belt being replaced and

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced and

(ii) The rated capacity in megagrams or tons of replacement storage bins.

[40 CFR 60.670(d) and 40 CFR 60.676(a)]

13. **Notification of Initial Startup:** A notification of the actual date of initial startup of each affected facility shall be submitted to the Department. For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

[40 CFR 60.676(i)(2)]

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. **Special Compliance Test:** 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

Permittee:

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

I.D. Number: 1070039
Permit/Cert: 1070039-010-AC
Date of Issue:
Expiration Date

OF ENVIRONMENTAL PROTECTION

DRAFT

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