Title V Air Operation Permit Renewal
Permit No. 1070039-018-AV

APPLICANT

The applicant for this project is Lafarge North America, Inc. The applicant's responsible official and mailing address are: Debbie Master, Plant Manager Lafarge North America, 886 North Highway 17, and Palatka, Florida 32177.

FACILITY DESCRIPTION

The applicant operates the Lafarge North America Inc. Palatka Plant, which is located east of US 17, North of Palatka 886 North Highway 17.

This facility is a synthetic gypsum wallboard forming facility that consists of major activities that include: raw material storage/processing, cage mill dryer system and wallboard processing.

The facility is a TV major source for PM; NO_x and CO. Emissions sources at the facility are subject to particulate matter and Visible emissions testing EPA Method 5, EPA Method 9, and fugitive visible emissions testing EPA Method 22, pursuant to 40 CFR 60 NSPS Subpart OOO, Subpart UUU, and general compliance testing pursuant to Rule 62-297.310 (7)(a), F.A.C.

Because the facility operates stationary reciprocating internal combustion engines, it is subject to regulation under 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

Based on the Title V air operation permit renewal application received October 18, 2011, the facility has the potential to emit greater than 100,000 TPY of CO_2e emisions therefore the facility is a major source of Greenhouse Gases based on EPA's 2010 Gas Tailoring Rule which establishes an approach to addressing greenhouse gases from stationary sources under the Clean Air Act.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Renewal received October 18, 2011
Notice of Intent to Issue Air Permit issued January 13, 2012
Public Notice Published **[April 03, 2012]**

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is not identified as a major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The existing facility is not a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C. for Sulfur Dioxide (SO_2), NO_X, CO and Volatile Organic Compounds (VOC) The potential PM_{10} emissions are synthetically limited to less than 250 tpy in order to avoid being subject to PSD regulations.

NSPS: The facility does operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60. Emission Units: 001,003, 004, 009-011, 014, 016, 018, 019, 022, 024, 025, and 026 are subject to the standards of 40 CFR 60, Subpart OOO - Nonmetallic Mineral Processing Plant. Emission Units: 002 and 023are subject to the standards of 40 CFR 60, Subpart UUU - Calciners and Dryers in Mineral Industries.

NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63. Emission Units: 028, 029, and 030 are subject to the area source standards of 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

CAM: In accordance with 40 CFR 64.2(b)(1), CAM is not applicable to any of the emission sources at the Palatka Plant because either the controls are inherent to the process or the pre-controlled potential to emit is below the major source threshold.

EU ID	Source Description	Pollutant	Control Device	Equipment Type	Federally Enforceable Emission	Limitation/ Standard	Potential Pre-Control Emissions (tpy)
001,/022	FGD Surge Bin	**PM**	Dust collector		**yes**	40 CFR §60.672(a)(	**47.70**
002,023	Cage Mill Dryers			Process filter	**no**		
004,019	Imp Mill Flash Calciner Systems		Dust collectors	Process filter	**no**		
005,020	Imp Mill Cooling Systems		Dust Collectors	Process filter	**no**		
006	Stucco Silo[1] A		Dust collector		**no**		
007	Starch Silo[1]		Dust collector		**no**		
008	Sawing Systems/Dunnage Machines	**PM**	Dust collector		**yes**	40 CFR §60.672(a), (b)	63.2
009	Norba Grinder	**PM**	Dust Collector		**yes**	40 CFR §60.672(b),and 675(b)	35.39
011	Emergency Live Bottom Feed Hopper	**PM**	Dust Collector		**yes**	40 CFR §60.672(a) (b)and (f)	56.6
014	Ball Mill	**PM**	Dust Collector		**yes**	40 CFR §60.672(a)(2) and (b)	1.39
016	Landplaster Bin	**PM**	Dust collector		**yes**	40 CFR §60.672(a), (b)	24.78

PROJECT REVIEW

Changes that were made as part of this renewal (018-AV) include reformatting: Title V Permit format effective 10/28/2010, replacement of TV-6 with Appendix TV – Title V General Conditions dated

11/01/2010, Appendix TR – Facility-Wide Testing Requirements dated 9/12/2008, and Appendix RR – Facility-Wide Reporting Requirements dated 9/17/2009.

New Emission Units 028, 029 and 030 have been created to identify the two, diesel-fired engines and the fire pump engine.

CONCLUSION

This project renews Title V air operation permit No. 1070039-017-AV, which was issued on May 25, 2007. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statues (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.