



# Florida Department of Environmental Protection

Southwest District  
13051 N. Telecom Parkway  
Temple Terrace, Florida 33637-0926

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Mimi A. Drew  
Secretary

## FINAL PERMITS

### PERMITTEE

PMI Ash Technologies, LLC  
14001 Weston Parkway, Suite 112  
Cary, NC 27513

Authorized Representative:  
Ms. Lisa Cooper, Senior Vice President

Air Permit No. 0170022-009-AO  
0170022-010-AC

Permit Expires: 09/15/2015 (AO)  
12/31/2010 (AC)

Site Name: Crystal River Aardelite Plant  
Minor Air Construction and Operation  
Permits

Project Name: Modify EU 009 testing  
requirement and operation permit  
revision and renewal

These are the final air construction and operation permits, in one document. Construction Permit 0170022-010-AC revises Specific Condition No. A.4. of Construction Permit 0170022-008-AC to require annual visible emissions (VE) testing on Emissions Unit (EU) 009 in lieu of annual particulate matter (PM) testing. This construction permit revises and replaces Construction Permit 0170022-008-AC. Operation Permit 0170022-009-AO allows continued operation at the facility and incorporates terms and conditions of Construction Permit 0170022-010-AC, which include modifications of EU 001 and addition of EUs 009 and 010, all associated with a new pilot plant for evaluating ammonia removal process from fly ash.

The activities described in these permits are conducted at the Crystal River Aardelite Plant (Standard Industrial Classification No. 3295). The facility is located in Citrus County at 15760 West Power Line Road in Crystal River, Florida. The UTM coordinates are Zone 17, 334.1 km East and 3204.7 km North. As noted in the Final Determination provided with these final permits, no changes or only minor changes and clarifications were made to the draft permits.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-wide and Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, this document contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this document.

These air pollution permits are 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 these permits. 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.

Upon issuance of this final permits, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, 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 Hillsborough County, Florida

*for* *Mara Grace Nasca* 10-27-2010  
Mara Grace Nasca Effective Date  
District Air Program Administrator  
Southwest District

#### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permits and the Appendices) 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 10/27/2010 to the persons listed below.

Ms. Lisa Cooper, PMI Ash Technologies (lisa.cooper@pmiash.com)

Mr. John Burke, P.E., RTP Environmental Associates (burke@rtpenv.com)

Clerk Stamp

**FILING AND ACKNOWLEDGMENT FILED**, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

*Carol J. Moore* 10/27/2010  
(Clerk) (Date)

PMI Ash Technologies, LLC  
Crystal River Aardelite Plant

Air Permit Nos. 0170022-009-AO and 0170022-010-AC  
Project Name: Modify EU 009 testing requirement and operation permit revision and renewal