



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard, Jr.
Secretary

May 12, 2011

Sent by Electronic Mail – Received Receipt Requested

Mr. Al Townsend
Director of Alternative Fuels
Tarmac America, LLC
455 Fairway Drive, Suite 200
Deerfield Beach, FL 33441

Re: Project No. 0250020-031-AC
Publication of Notice of Application
Tarmac America, LLC, Pennsuco Cement Plant
Request to Fire Alternative Solid Fuels

Dear Mr. Townsend:

Enclosed is the revised Notice of Application which must be published one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements Sections 50.011, 50.031 and 403.815, Florida Statutes and Rules 62-110.106 and 62-210.350, F.A.C. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

If you have any questions regarding this matter, please contact Christy DeVore at 850-717-9085.

Sincerely,

For

Trina Vielhauer, Deputy Director
Division of Air Resource Management

TV/jfk/scd

Enclosure

cc: Mr. Al Townsend, Tarmac (atownsend@titanamerica.com)
Mr. Max Lee, Koogler and Associates (mlee@kooglerassociates.com)
Ms. Mallika Muthiah, Miami-Dade DERM (muthim@miamidade.gov)
Mr. Lee Hoeffert, DEP Southeast District Office (lee.hoeffert@dep.state.fl.us)
Ms. Kathleen Forney, EPA Region 4 (forney.kathleen@epa.gov)
Ms. Heather Abrams, EPA Region 4 (abrams.heather@epa.gov)
Mr. David Langston, EPA Region 4 (langston.david@epa.gov)
Ms. Vickie Gibson, DEP BAR Reading File (victoria.gibson@dep.state.fl.us)

NOTICE OF APPLICATION

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Project No. 0250020-031-AC

Tarmac America, LLC, Pennsuco Cement Plant
Miami-Dade County, Florida

The Department of Environmental Protection announces receipt of an application for an air construction permit from Tarmac America, LLC. The application requests authorization to fire alternative fuels at the existing Pennsuco Cement Plant, which is located in Miami-Dade County at 11000 Northwest 121 Way in Medley, Florida. As requested, temporary trial burns would not be conducted and the plant would be authorized to fire alternative fuels once construction is complete on the material handling systems. The applicant must meet all of its current emission limits and comply with all existing continuous emissions monitoring requirements when alternative fuels are used. The cement kiln is currently authorized to fire bituminous coal, oil, natural gas and whole tires. The applicant proposes to install and operate mechanical and pneumatic handling systems to fire the following non-hazardous alternative fuel materials, in any combination, in the existing cement kiln: agricultural film (non-chlorinated plastic); tire-derived fuel (with or without steel belts); tire fluff (tire crumbs without steel belts); manufacturer reject roofing shingles; clean cellulosic biomass (e.g., green wood, forest thinnings, sawdust, trees trimmings, clean woody land clearing debris and clean construction and demolition (C&D) wood); other cellulosic biomass (e.g. copper-chromium-arsenic-treated wood, creosote-treated wood, C&D debris not meeting the definition of clean C&D wood, plywood, particle board, medium density fiberboard, oriented strand board, laminated beams, finger-jointed trim and sheet goods); agricultural fibrous organic byproducts and residues (e.g., peanut hulls, rice hulls, corn husks, citrus peels, cotton gin byproducts, animal bedding, etc.); pre-consumer reject paper; carpet-derived fuel; and engineered fuel (a selected combination of non-hazardous materials such as those identified above and other alternative fuel materials). These materials have a useful heating value and will be co-fired with coal to offset a portion of the coal needed to produce heat for the existing cement kiln. The applicant proposes to use alternative fuels for cement production in part to reduce its reliance on fossil fuels, such as coal. The applicant also requests revising the term bituminous coal to coal. The project includes electric- or diesel-powered shredding and screening equipment to further process these materials as necessary.

Actual emissions from the existing cement kiln are continuously monitored for the following pollutants: carbon monoxide (CO), nitrogen oxides (NO_x), sulfur dioxide (SO₂) and total hydrocarbons (THC). There is also a continuous monitor for measuring the stack opacity. The applicant will continue to use all required continuous emissions monitoring systems to ensure compliance with existing and enforceable permit limitations during the firing of alternative fuels. Mercury emissions will be estimated based on material balance and particulate matter emissions will be determined by stack test as necessary. The applicant does not request the relaxation of any existing permit limit and will become subject to more stringent standards applicable to portland cement plants under Title 40, Part 63 and Subpart LLL of the Code of Federal Regulations that become effective in 2013.

The initial application was received on April 20, 2011. The application is under review by the Department and is available for public inspection during normal business hours from 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the following physical office locations:

Department of Environmental Protection
Bureau of Air Regulation
111 South Magnolia Drive, Suite 4
Tallahassee, Florida 32399-2400
Telephone: 850/717-9000
Fax: 850/717-9001

Department of Environmental Resources Management
Air Quality Management Division
701 NW 1st Court, Suite 400
Miami, Florida 33136
Phone: 305/372-6925
Fax: 305/372-6954

The application can be accessed electronically at the Department's website at:

<http://www.dep.state.fl.us/air/emission/apds/default.asp>

Enter the permit number 0250020-031-AC, click "get documents" and then click on "view additional scanned files".

Livingston, Sylvia

From: Livingston, Sylvia
Sent: Thursday, May 12, 2011 4:36 PM
To: 'atownsend@titanamerica.com'
Cc: 'mlee@kooglerassociates.com'; 'muthim@miamidade.gov'; Hoefert, Lee; 'forney.kathleen@epa.gov'; 'abrams.heather@epa.gov'; 'langston.david@epa.gov'; Gibson, Victoria; DeVore, Christy; Koerner, Jeff; Walker, Elizabeth (AIR)
Subject: Publication of Notice of Application - Tarmac America, LLC - Pennsuco Cement Plant (0250020-031-AC) - Revised
Attachments: 0250020-031-AC_Revised NOA.pdf; 0250020-031-AC - Notice of Application FINAL.doc

Tracking:	Recipient	Delivery	Read
	'atownsend@titanamerica.com'		
	'mlee@kooglerassociates.com'		
	'muthim@miamidade.gov'		
	Hoefert, Lee	Delivered: 5/12/2011 4:36 PM	
	'forney.kathleen@epa.gov'		
	'abrams.heather@epa.gov'		
	'langston.david@epa.gov'		
	Gibson, Victoria	Delivered: 5/12/2011 4:36 PM	
	DeVore, Christy	Delivered: 5/12/2011 4:36 PM	Read: 5/13/2011 7:15 AM
	Koerner, Jeff	Delivered: 5/12/2011 4:36 PM	Read: 5/12/2011 4:36 PM
	Walker, Elizabeth (AIR)	Delivered: 5/12/2011 4:36 PM	

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software, *noting that you can view the documents*, and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <<http://www.adobe.com/products/acrobat/readstep.html>> .

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

Sylvia Livingston
Division of Air Resource Management (DARM)
Department of Environmental Protection
850/717-9043 (New Phone)
sylvia.livingston@dep.state.fl.us

Livingston, Sylvia

From: Townsend AI [atownsend@titanamerica.com]
Sent: Friday, May 13, 2011 8:22 AM
To: Livingston, Sylvia
Subject: Re: Publication of Notice of Application - Tarmac America, LLC - Pennsuco Cement Plant (0250020-031-AC) - Revised

I have received the Notice

From: Livingston, Sylvia [mailto:Sylvia.Livingston@dep.state.fl.us]
Sent: Thursday, May 12, 2011 04:35 PM
To: Townsend AI
Cc: mlee@kooglerassociates.com <mlee@kooglerassociates.com>; muthim@miamidade.gov <muthim@miamidade.gov>; Hoefert, Lee <Lee.Hoefert@dep.state.fl.us>; forney.kathleen@epa.gov <forney.kathleen@epa.gov>; abrams.heather@epa.gov <abrams.heather@epa.gov>; langston.david@epa.gov <langston.david@epa.gov>; Gibson, Victoria <Victoria.Gibson@dep.state.fl.us>; DeVore, Christy <Christy.DeVore@dep.state.fl.us>; Koerner, Jeff <Jeff.Koerner@dep.state.fl.us>; Walker, Elizabeth (AIR) <Elizabeth.Walker@dep.state.fl.us>
Subject: Publication of Notice of Application - Tarmac America, LLC - Pennsuco Cement Plant (0250020-031-AC) - Revised

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software, *noting that you can view the documents*, and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <<http://www.adobe.com/products/acrobat/readstep.html>> .

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

Thank you,

Sylvia Livingston
Division of Air Resource Management (DARM)
Department of Environmental Protection
850/717-9043 (New Phone)
sylvia.livingston@dep.state.fl.us

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Herschel T. Vinyard Jr. is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few

Livingston, Sylvia

From: Langston.David@epamail.epa.gov
Sent: Monday, May 16, 2011 8:01 AM
To: Livingston, Sylvia
Subject: Re: Publication of Notice of Application - Tarmac America, LLC - Pennsuco Cement Plant (0250020-031-AC) - Revised

Received, thank you.

David Langston
Sr. Environmental Engineer
RCRA Materials Management Section
404-562-8478

NOTE: This message and any attachments from the U.S. Environmental Protection Agency may contain CONFIDENTIAL and legally protected information. If you are not the addressee or the intended recipient, please do not read, copy, use or disclose this communication to others. Also, please notify the sender by replying to this message and then delete it from your system.