

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection
Division of Air Resource Management, Bureau of Air
Regulation

Project No. 0570005-021-AC / Draft Air Permit No.
PSD-FI-355
CF Industries, Inc., Plant City Phosphate Complex
Hillsborough County, Florida

Applicant: The applicant for this project is CF Industries, Inc. The applicant's authorized representative and mailing address is: Mr. Herschel E. Morris, Vice President Phosphate Operations/General Manager, CF Industries, Inc., Plant City Phosphate Complex, Post Office Drawer L, Plant City, Florida 33564.

Facility Location: CF Industries, Inc., operates the existing Plant City Phosphate Complex, which is located in Hillsborough County at 10608 Paul Buchman Highway in Plant City, Florida 33565.

Project: CF Industries, Inc. proposes to modify its existing B Sulfuric Acid Plant (SAP) by increasing the production rate of the plant to 1,600 tons per day (TPD). The production rate increase will be accomplished through several plant improvements related to increasing air flow, increased process cooling, increased catalyst loading, and utilizing high-efficiency cesium-promoted catalyst in the fourth pass of the converter. The B SAP utilizes single-absorption technology. CF Industries, Inc. will demonstrate the most stringent Sulfur Dioxide (SO2) emission limit required for a double-absorption plant with their single-absorption plant. CF Industries is also proposing to modify its existing A and B Phosphoric Acid Plants (PAP) by increasing the production rate of the A PAP to 1,699 TPD of 100-percent rock phosphorus pentoxide (P2O5) and of the B PAP to 2,530 TPD of 100-percent rock P2O5. The production rate increase will be accomplished through installation of additional reactor flash cooling equipment, increased evaporation capacity equipment and double-gypsum filtration.

Based on the air permit application, the project will result in potential emissions increases of: 46.9 tons per year (TPY) of carbon monoxide (CO); 112.2 TPY of nitrogen oxides (NOX); 158.3 TPY of particulate matter (PM); 148.8 TPY of particulate matter with a mean diameter of 10 microns or less (PM10); 20.6 TPY of sulfuric acid mist (SAM); 391.1 TPY of SO2; 4 TPY of volatile organic compounds (VOC) and 19.8 TPY of fluoride (F). As defined in Rule 62-210.200 of the Florida Administrative Code (F.A.C.), the project results in significant net emissions increases for NOX, PM, PM10, SAM, F, and SO2. Therefore, the project is subject to preconstruction review for the prevention of Significant Deterioration (PSD) of Air Quality for these pollutants in accordance with Rule 62-212.400, F.A.C.

For each PSD-significant pollutant, the Department is required to determine the Best Available Control Technology (BACT) for those emission units where a physical change or a change in the method of operation is proposed and approve the applicant's Air Quality Analysis regarding ambient impacts due to the project. The Department's preliminary BACT determinations for these pollutants are: SO2 and SAM emissions from the B SAP are controlled by a two-stage ammonia scrubber and a Brink's demister. NOx emissions from the B SAP are controlled by good combustion practices. F emissions from the A PAP are controlled by a cyclonic scrubber followed by a horizontal, cross-flow packed scrubber. F emissions from the B PAP are controlled by a horizontal, cross-flow packed scrubber.

The Department reviewed an air quality analysis prepared by the applicant. The following tables show the maximum predicted PSD increments consumed by all sources in the area, including this project.

Summary of PSD Class II Increment Analysis

Pollutant	Averaging Time	Allowable Increment (ug/m3)	Increment Consumed (ug/m3)	Percent Consumed
PM10	24-hour	30	29.9	99.7%
	Annual	17	5	30%
SO2	24-hour	31	26.5	29%
	Annual	20	0	0%

The Class II increments represent the increment consumed in the vicinity of the project. Based on the analysis, emissions from the project will not significantly contribute to, or cause a violation of, any state or federal ambient air quality standards.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212, F.A.C. The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Florida Department of Environmental Protection's Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Bureau of Air Regulation's physical address is 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32303 and the mailing address is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Bureau of Air Regulation's phone number is 850/488-0114.

Project File: A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at:
Dept. of Environmental Protection

The Tampa Tribune

Published Daily

Tampa, Hillsborough County, Florida

State of Florida }
County of Hillsborough } SS.

Before the undersigned authority personally appeared J. Lantaigne, who on oath says that she is the Advertising Accounting Supervisor of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy

Legal Ads IN THE Tampa Tribune

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was published in said newspaper in the issues of

06/08/2007

Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she has neither paid nor promised any person, this advertisement for publication in the said newspaper.

Jane E. Lantaigne

Sworn to and subscribed by me, this 11 day
of June, A.D. 2007

Personally Known or Produced Identification _____
Type of Identification Produced _____

Amelia Hodel



Ana Maria Hodel
Commission #00551367
Expires: MAY 11, 2010
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Hillsborough County Environmental
Protection Commission
3629 Queen Palm Drive
Tampa, Florida 33619-1309
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The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.state.fl.us/air/e/products/apds/default.asp>.

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all applicable

provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the Draft Permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be post-marked by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the Draft Permit, the Permitting Authority will issue a revised Draft Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/245-2241; Fax: 850/245-2303). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute

Statement of the petitioner contending that the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation: Mediation is not available in this proceeding.