



RECEIVED

DEC 15 2011

DIVISION OF AIR  
RESOURCE MANAGEMENT

ARCADIS U.S., Inc.  
8201 Peters Road  
Suite 3400  
Plantation  
Florida 33324  
Tel 954 761 3460  
Fax 954 761 7939  
[www.arcadis-us.com](http://www.arcadis-us.com)

David Read  
Office of Permitting and Compliance  
Division of Air Resource Management  
Florida Department of Environmental Protection  
2600 Blair Stone Road  
Mail Station #5505  
Tallahassee, Florida 32399-2400

WATER DIVISION

Subject:  
Solid Waste Authority of Palm Beach County – FDEP Draft Air Construction Permit  
Modification Project No. 0990234-023-AC (PSD-FL-413A)

Date:  
December 12, 2011

Dear Mr. Read:

Contact:  
Leah K. Richter

Please find attached a proof of publication of the notice of intent to issue an air permit which was published in the Palm Beach Post on December 6, 2011. This publication and the attached satisfies the requirements as set forth in F.A.C 62-110.106, and is provided in hard copy form following the electronic copy transmitted separately by email on December 12, 2011, as requested, within the required 7-day timeframe from publication.

Phone:  
954-761-3460

Email:  
[Leah.richter@arcadis-us.com](mailto:Leah.richter@arcadis-us.com)

If you should have questions or require any additional information please feel free to contact me at 954.761.3460 or Joel Cohn at 757.873.4411.

Our ref:  
03582056.0000

Sincerely,

Florida License Numbers

ARCADIS U.S., Inc.

Engineering  
67

Geolo405

Leah K. Richter, PE  
Associate Vice President

Copies:  
Ray Schauer, SWA  
Marybeth Morrison, SWA

Page:  
1/1

THE PALM BEACH POST  
Published Daily and Sunday  
West Palm Beach, Palm Beach County, Florida

PROOF OF PUBLICATION

STATE OF FLORIDA  
COUNTY OF PALM BEACH

Before the undersigned authority personally appeared **Ellen Sanita**, who on oath says that she is **Call Center Revenue Manager** of The Palm Beach Post, a daily and Sunday newspaper, published at West Palm Beach in Palm Beach County, Florida; that the attached copy of advertising for a **Notice** in the matter **FDEP Project #0990234-023-AC (PSD-FL-413A)** was published in said newspaper in the issues of **December 6, 2011**. Affiant further says that the said The Post is a newspaper published at West Palm Beach, in said Palm Beach County, Florida, and that the said newspaper has heretofore been continuously published in said Palm Beach County, Florida, daily and Sunday and has been entered as second class mail matter at the post office in West Palm Beach, in said Palm Beach 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/he has neither paid nor promised any person, firm or corporation any discount rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper. Also published in Martin and St. Lucie Counties.



Sworn to and subscribed before the 6<sup>th</sup> day of December, 2011.  
Who is personally known to me.



NOTARY PUBLIC-STATE OF FLORIDA  
**Karen M. McLinton**  
Commission #DD832672  
Expires: NOV. 15, 2012  
BONDED THRU ATLANTIC BONDING CO., INC.

NO. 6412183  
Florida Department of  
Environmental Protection  
Division of Air Resource Management  
Office of Permitting and Compliance  
Draft Air Construction  
Permit Modification  
Project No. 0990234-023-AC  
(PSD-FL-413A)  
Solid Waste Authority of Palm Beach  
County, Palm Beach Renewable Energy  
Facility No. 2  
Palm Beach County, Florida  
Applicant: The applicant for this project is the Solid Waste Authority of Palm Beach County. The applicant's authorized representative and mailing address is: Mr. Mark Hammond, Executive Director, Solid Waste Authority of Palm Beach County, 7501 North Jog Road, West Palm Beach, Florida 33412.  
Facility Location: The Solid Waste Authority of Palm Beach County is constructing the new Palm Beach Renewable Energy Facility No. 2 at the existing Palm Beach Renewable Energy Park, which is located in Palm Beach County at 7501 North Jog Road in West Palm Beach, Florida.  
Project: Permit No. 0990234-017-AC (PSD-FL-413) authorized the construction of the Palm Beach Renewable Energy Facility No. 2. This facility will consist of three 1,000 tons per day, mass-burn municipal waste combustor units and one 90 to 100 megawatt steam turbine electrical generator. The proposed work will be conducted at the existing Palm Beach Renewable Energy Park. Permit No. 0990234-017-AC also authorized the construction of three lime storage silos; one carbon storage silo; two diesel fire pump engines; one emergency generator; several fuel oil storage tanks; and one ash handling system and building.  
This permitting action modifies the original permit to increase the size of the emergency fire pump engines from 250 horsepower to 305 horsepower, while also increasing the size of the emergency generator from 250 kilowatts to 2,500 kilowatts. Along with the generator size increase, its fuel oil storage tank will be increased in size from 1,000 gallons to 3,500 gallons. In addition, the restriction on the duration of each emergency equipment maintenance and testing event to 30 minutes in any hour will be removed. The designations of the three municipal waste combustors authorized by Permit No. 0990234-017-AC (PSD-FL-413) will be changed from Nos. 1, 2 and 3 to Nos. 3, 4 and 5 so as not to be confused with the two municipal waste combustors (Nos. 1 and 2) currently in operation at the Palm Beach Renewable Energy Park. Finally, an incorrect federal rule citation pertaining to ammonia or urea storage was corrected.  
This project is subject to the general preconstruction review requirements in Rule 62-212.300, Florida Administrative Code (F.A.C.). Based on the air permit application, the project will result in potential emissions increases of 2.21 tons per year of nitrogen oxides (NOx) and negligible increases of carbon monoxide (CO), particulate matter (PM), particulate matter with a mean diameter of 10 microns or less (PM10), particulate matter with a mean diameter of 2.5 microns or less (PM2.5), sulfur dioxide (SO2) and volatile organic compounds (VOC). Pursuant 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, the original permit made Best Available Technology (BACT) determinations for the emergency equipment (two fire pumps and one generator) for CO, NOx, PM, PM10, SO2 and VOC. Therefore, the request to increase the size of the emergency equipment requires a reexamination of the BACT determinations. After review, the Department reaffirms the original BACT determinations for the emergency equipment, which are based on NSPS 40 CFR 60, Subpart IIII - New Standards for Stationary Compression Ignition Internal Combustion Engines. Based on the very low annual emissions increases, the project will have negligible ambient annual impacts.  
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 of the 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 Permitting Authority responsible for making a permit determination for this project is the Office of Permitting and Compliance in the Department of Environmental Protection's Division of Air Resource Management. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's phone number is 850-717-9000.

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 rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so state; (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 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 for this proceeding.  
PUB: The Palm Beach Post  
December 6, 2011

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the physical address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.). Interested persons may contact the Permitting Authority's project 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/emission/apds/default.asp>.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate 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 proposed Draft Permit and requests for a public meeting for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 30-day period. In addition, if a public meeting is requested within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received comments result in a significant change to the Draft Permit, the Permitting Authority shall revise the 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 at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. 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