

# Memorandum

# Florida Department of Environmental Protection

TO: Jeffery F. Koerner, P.E., Program Administrator *JFK*  
Office of Permitting and Compliance

THROUGH: Syed Arif, P.E. *SA 8/15*

FROM: Scott M. Sheplak, P.E. *SMS*

DATE: August 12, 2011

SUBJECT: Solid Waste Authority of Palm Beach County  
North County Regional Resource Recovery Facility  
Intent to Issue Package  
Title V Air Operation Permit Renewal  
*Revised* Draft/Proposed Permit No. 0990234-020-AV  
Air Construction Permit Revision  
*Revised* Draft Permit No. 0990234-019-AC/PSD-FL-108I  
**Permitting Clock:** Day 55 is August 18, 2011

Attached for your review are the following documents:

- Cover Letter;
- Written Notice of Intent to Issue Air Permits with Public Notice of Intent to Issue Air Permits;
- P.E. Certification Statement;
- Technical Evaluation and Preliminary Determination;
- *Revised* Draft Air Construction Permit Revision;
- Statement of Basis; and,
- *Revised* Draft/Proposed Title V Air Operation Permit.

These applications were received via Electronic Permit Submittal and Processing System (EPSAP). The applicant requested the concurrent processing of an air construction permit revision to change miscellaneous underlying air construction (AC)/PSD permit conditions. The applicant certified compliance in the Title V air operation permit renewal application. Review of the Department's Air Compliance and Enforcement Search (ACES) on August 12, 2011 indicates that the facility is in compliance.

Following the publication of the public notice we received 36 comments from CDM (on behalf of the applicant) which resulted in substantial changes to the draft/proposed Title V air operation permit renewal and the draft air construction permit revision issued on June 15, 2011. To my knowledge these *revised* permits contain appropriate changes to either the applicant's satisfaction or to their understanding. This Title V air operation permit renewal application therefore in my opinion is not controversial and is routine. I do not anticipate any more significant comments. Parallel (combined), e.g., draft/proposed, processing is recommended.

To my knowledge this permit contains the first versions of the recently developed engine templates in Florida. It also contains one of the first customized templates for new and existing non-emergency CI engines.

I recommend approval of the permits.

Attachments

SA/sms



# 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

*Sent by Electronic Mail - Received Receipt Requested*

Mr. Mark Hammond  
Executive Director  
Solid Waste Authority of Palm Beach County  
7501 North Jog Road  
West Palm Beach, Florida 33412

Re: North County Regional Resource Recovery Facility  
*Revised* Draft/Proposed Permit No. 0990234-020-AV, Title V Air Operation Permit Renewal  
*Revised* Draft Permit No. 0990234-019-AC/PSD-FL-108I, Air Construction Permit Revision

Dear Mr. Hammond:

Enclosed is the *revised* draft/proposed permit package for a Title V air operation permit renewal and an air construction permit revision for the North County Regional Resource Recovery Facility. This facility is located in Palm Beach County at 7501 North Jog Road in West Palm Beach, Florida.

A Draft/Proposed Title V Air Operation Permit Renewal and a Draft Air Construction Permit Revision were issued (clerked) on June 15, 2011. Due to comments and some substantial (significant) changes, the previous permits (Draft/Proposed Title V Air Operation Permit Renewal and Draft Air Construction Permit Revision) issued on June 15, 2011 are withdrawn and are being replaced with these *revised* permits.

The permit package includes the following documents:

- The Written Notice of Intent to Issue Air Permits provides important information regarding: the Permitting Authority's intent to issue air permits for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue air permits; the procedures for submitting comments on the draft/proposed Title V air operation permit and the draft air construction permit revision; the process for filing a petition for an administrative hearing; and, the availability of mediation.
- The Public Notice of Intent to Issue Air Permits is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The Public Notice of Intent to Issue Air Permits must be published as soon as possible and the proof of publication must be provided to the Department within seven days of the date of publication. Because this permit is being processed as a combined draft/proposed permit in order to reduce processing time, a duplicate copy of the proof of publication must also be transmitted by electronic mail within seven days of the date of publication to Ms. Ana Oquendo at EPA Region 4 at the following address: [quendo.ana@epamail.epa.gov](mailto:quendo.ana@epamail.epa.gov).
- The Statement of Basis, which summarizes the facility, the equipment, and the primary rule applicability.
- The *revised* draft/proposed Title V air operation permit, which includes the specific permit conditions that regulate the emissions units covered by the proposed project.
- The Technical Evaluation and Preliminary Determination, which explains the revisions to underlying construction permit conditions.
- The *revised* draft air construction permit revision.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Mr. Syed Arif, P.E., Environmental Administrator, at the above letterhead address. If you have any questions, please contact Mr. Scott M. Sheplak, P.E., by telephone at 850/717-9074 or by email at [scott.sheplak@dep.state.fl.us](mailto:scott.sheplak@dep.state.fl.us).

Sincerely,

Jeffery F. Koerner, Program Administrator  
Office of Permitting and Compliance  
Division of Air Resource Management

8-16-11

Date

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**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMITS**

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*In the Matter of an  
Application for Permits by:*

Solid Waste Authority of Palm Beach County  
7501 North Jog Road  
West Palm Beach, Florida 33412

*Revised* Draft/Proposed Permit No. 0990234-020-AV  
*Revised* Draft Permit No. 0990234-019-AC/PSD-FL-108I  
Facility ID No. 0990234  
North County Regional Resource Recovery Facility

*Responsible Official:*

Mr. Mark Hammond, Executive Director

Title V Air Operation Permit Renewal  
Air Construction Permit Revision  
Palm Beach County, Florida

**Facility Location:** The applicant operates the existing North County Regional Resource Recovery Facility, which is located in Palm Beach County at 7501 North Jog Road, West Palm Beach, Florida.

**Project:** A Draft/Proposed Title V Air Operation Permit Renewal and a Draft Air Construction Permit Revision were issued (clerked) on June 15, 2011. Due to comments and some substantial (significant) changes, the previous permits (Draft/Proposed Title V Air Operation Permit Renewal and Draft Air Construction Permit Revision) issued on June 15, 2011 are withdrawn and are being replaced with these *revised* permits.

The purpose of this project is to renew Title V air operation permit No. 0990234-010-AV and to revise several miscellaneous provisions in the underlying air construction permits. Details of the project are provided in the application, the enclosed Statement of Basis and the Technical Evaluation and Preliminary Determination.

**Permitting Authority:** Applications for Title V air operation permits for facilities that contain acid rain units are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 and 62-214 of the Florida Administrative Code (F.A.C.). 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 Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Office of Permitting and Compliance is the Permitting Authority responsible for making a permit determination for this project. 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 telephone number is 850/717-9000.

**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 address indicated above for the Permitting Authority. The complete project file includes the draft/proposed Title V air operation permit, the Statement of Basis, the draft air construction permit revision, 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 view the draft/proposed Title V air operation permit or the draft air construction permit revision by visiting the following web site:

<http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

**Notice of Intent to Issue Air Permits:** The Permitting Authority gives notice of its intent to issue a draft/proposed Title V air operation permit and a concurrent draft air construction permit revision for the projects described above. The applicant has provided reasonable assurance that operation of the existing 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, 62-213, 62-214, 62-296 and 62-297, F.A.C. The Permitting Authority will issue final permits in accordance with the conditions of the draft/proposed Title V air operation permit and the draft air construction permit revision unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMITS

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**Public Notice:** Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permits (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at the above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

**Comments:** The Permitting Authority will accept written comments concerning the draft/proposed Title V air operation permit and the draft air construction permit revision for a period of 30 days from the date of publication of the Public Notice. Written comments must be received 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 (FAW). 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 written comments or comments received at a public meeting result in a significant change to the draft/proposed Title V air operation permit or the draft air construction permit revision, the Permitting Authority shall issue a revised draft/proposed Title V air operation permit or a revised draft air construction permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

**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. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air Permits. 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 the attached Public Notice or within 14 days of receipt of this Written Notice of Intent to Issue Air Permits, 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. If there are none, the petition must so indicate; (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

**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMITS**

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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.

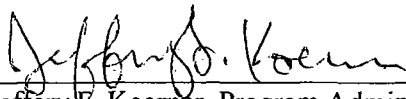
Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Written Notice of Intent to Issue Air Permits. Persons whose substantial interests 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.

**EPA Review:** EPA has agreed to treat the draft/proposed Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period, provided that the applicant also transmits an electronic copy of the required proof of publication directly to EPA at the following email address: [oquendo.ana@epamail.epa.gov](mailto:oquendo.ana@epamail.epa.gov). Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that results in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following web site address: <http://www.epa.gov/region4/air/permits/Florida.htm>.

**Objections:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at <http://www.epa.gov/region4/air/permits/Florida.htm>.

Executed in Tallahassee, Florida

  
\_\_\_\_\_  
Jeffery F. Koerner, Program Administrator  
Office of Permitting and Compliance  
Division of Air Resource Management

8-16-11  
\_\_\_\_\_  
Date

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMITS

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Permits package (including the Public Notice, the Statement of Basis, the *Revised* Draft/Proposed Title V Air Operation Permit, the Technical Evaluation and Preliminary Determination, and the *Revised* Draft Air Construction Permit Revision), or a link to these documents available electronically on a publicly accessible server, was sent by electronic mail with received receipt requested before the close of business on

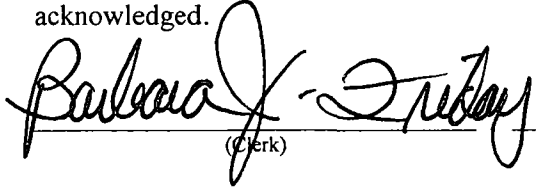
8/16/11

to the persons listed below.

- Mr. Mark Hammond, SWA: [mhammond@swa.org](mailto:mhammond@swa.org)
- Ms. Mary Beth Morrison, SWA: [mmorrison@swa.org](mailto:mmorrison@swa.org)
- Mr. Manuel Hernandez, P.E., CDM: [hernandezmj@cdm.com](mailto:hernandezmj@cdm.com)
- Mr. Lennon Anderson, P.E., DEP Southeast District Office: [lennon.anderson@dep.state.fl.us](mailto:lennon.anderson@dep.state.fl.us)
- Mr. James Stormer, PBCHD: [james\\_stormer@doh.state.fl.us](mailto:james_stormer@doh.state.fl.us)
- Ms. Cindy Mulkey, DEP Siting Office: [cindy.mulkey@dep.state.fl.us](mailto:cindy.mulkey@dep.state.fl.us)
- Ms. Heather Abrams, U.S. EPA Region 4: [abrams.heather@epa.gov](mailto:abrams.heather@epa.gov)
- Ms. Katy R. Forney, U.S. EPA Region 4: [forney.kathleen@epa.gov](mailto:forney.kathleen@epa.gov)
- Ms. Ana Oquendo-Vazquez, U.S. EPA Region 4: [oquendo.ana@epa.gov](mailto:oquendo.ana@epa.gov)
- Ms. Barbara Friday, DEP OPC: [barbara.friday@dep.state.fl.us](mailto:barbara.friday@dep.state.fl.us) (for posting with U.S. EPA, Region 4)
- Ms. Lynn Searce, DEP OPC: [lynn.searce@dep.state.fl.us](mailto:lynn.searce@dep.state.fl.us) (for reading file)

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.

  
(Clerk) 8/16/11  
(Date)

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

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Florida Department of Environmental Protection  
Division of Air Resource Management, Bureau of Air Regulation  
*Revised Draft/Proposed Permit No. 0990234-020-AV, Title V Air Operation Permit Renewal*  
*Revised Draft Permit No. 0990234-019-AC/PSD-FL-108I, Air Construction Permit Revision*  
Solid Waste Authority of Palm Beach County  
North County Regional Resource Recovery Facility  
Palm Beach County, Florida

**Applicant:** The applicant for this project is Solid Waste Authority of Palm Beach County. The applicant's responsible official and mailing address are: Mr. Mark Hammond, Executive Director, Solid Waste Authority of Palm Beach County, 7501 North Jog Road, West Palm Beach, Florida 33412.

**Facility Location:** The applicant operates the existing North County Regional Resource Recovery Facility, which is located in Palm Beach County at 7501 North Jog Road, West Palm Beach, Florida.

**Project:** The applicant applied on November 17, 2010, to the Department for a Title V air operation permit renewal. A Draft/Proposed Title V Air Operation Permit Renewal and a Draft Air Construction Permit Revision were issued (clerked) on June 15, 2011. Due to comments and some substantial (significant) changes, the previous permits (Draft/Proposed Title V Air Operation Permit Renewal and Draft Air Construction Permit Revision) issued on June 15, 2011 are withdrawn and are being replaced with these *revised* permits.

This existing facility is a municipal waste combustor plant designed to process 2,000 tons per day (TPD) of municipal solid waste (MSW). The facility burns processed MSW that is called "refuse derived fuel" (RDF). The RDF plant is equipped with three MSW processing lines, any two of which can handle the 2,000 TPD of incoming MSW. The boiler plant includes two Babcock & Wilcox (B&W) boilers (Nos. 1 and 2) with auxiliary burners. Two landfills, a Class I Landfill and a Class III Landfill, each with its own gas collection system and flare are located at the facility. Additional activities at the facility include: a composting facility, material processing systems, a metals recovery system, storage and handling systems for RDF; lime storage and processing facilities; storage and handling systems for ash and ash treatment; and, cooling towers. A biosolids pelletization facility (BPF) is located adjacent to the existing landfill. The facility is owned by the Solid Waste Authority. Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities. The project also includes an air construction permit revision to change miscellaneous provisions in the underlying air construction permits.

**Permitting Authority:** Applications for Title V air operation permits for facilities that contain acid rain units are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 and 62-214 of the Florida Administrative Code (F.A.C.). 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 Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Office of Permitting and Compliance is the Permitting Authority responsible for making a permit determination for this project. 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 telephone number is 850/717-9000.

**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 address indicated above for the Permitting Authority. The complete project file includes the draft/proposed Title V air operation permit, the Statement of Basis, the draft air construction permit revision, 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 view the draft/proposed Title V air operation permit or the draft air construction permit revision by visiting the following web site:

<http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above.

Interested persons may contact the Permitting Authority's project review engineer for additional information at

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## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

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the address or phone number listed above.

**Notice of Intent to Issue Air Permits:** The Permitting Authority gives notice of its intent to issue a draft/proposed Title V air operation permit and a concurrent draft air construction permit revision for the projects 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 appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296 and 62-297, F.A.C. The Permitting Authority will issue final permits in accordance with the conditions of the draft/proposed Title V air operation permit and the draft air construction permit revision unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the draft/proposed Title V air operation permit and the draft air construction permit revision for a period of 30 days from the date of publication of the Public Notice. Written comments must be received 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 (FAW). 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 written comments or comments received at a public meeting result in a significant change to the draft/proposed Title V air operation permit or the draft air construction permit revision, the Permitting Authority shall issue a revised draft/proposed Title V air operation permit or a revised draft air construction permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

**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 the 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 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 indicate; (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

(Public Notice to be Published in the Newspaper)



## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

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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 Permits. 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.

**EPA Review:** EPA has agreed to treat the draft/proposed Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period, provided that the applicant also transmits an electronic copy of the required proof of publication directly to EPA at the following email address: [oguendo.ana@epamail.epa.gov](mailto:oguendo.ana@epamail.epa.gov). Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that results in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following web site address: <http://www.epa.gov/region4/air/permits/Florida.htm>.

**Objections:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at <http://www.epa.gov/region4/air/permits/Florida.htm>.

**TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION**

**APPLICANT**

Solid Waste Authority of Palm Beach County

7501 North Jog Road  
West Palm Beach, Florida 33412

North County Regional Resource Recovery Facility  
Facility ID No. 0990234

**PROJECT**

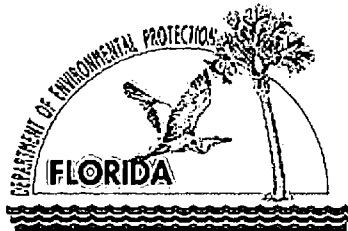
*Revised* Draft Permit No. 0990234-019-AC/PSD-FL-108I  
Application for Minor Source Air Construction Permit  
Miscellaneous Revisions

**COUNTY**

Palm Beach County, Florida

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection  
Division of Air Resource Management  
Permitting and Compliance Section  
2600 Blair Stone Road, MS#5505  
Tallahassee, Florida 32399-2400



August 11, 2011

## 1. GENERAL PROJECT INFORMATION

### Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control - General Provisions); 62-210 (Stationary Sources - General Requirements); 62-212 (Stationary Sources - Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources - Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

### Facility Description and Location

This facility is an existing municipal waste combustor plant, which is categorized under Standard Industrial Classification Code No. 4953. This existing plant is located in Palm Beach County at 7501 North Jog Road, West Palm Beach; UTM Coordinates: Zone 17, 585.82 km East and 2960.474 km North; Latitude: 26° 45' 53" North and Longitude: 80° 08' 12" West.

This site is in an area that is in attainment (or designated as unclassifiable) for all air pollutants subject to state and federal Ambient Air Quality Standards (AAQS).

### Facility Regulatory Categories

- The facility is a major source of hazardous air pollutants (HAP).
- This facility does not operate units subject to the acid rain provisions of the Clean Air Act.
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

### Project Description

As part of the project for the Title V air operation permit renewal (Project No. 0990234-020-AV), the applicant requested a concurrent air construction permit revision to change several underlying construction permit conditions.

### Application Processing Schedule

Application for a Title V Air Operation Permit Renewal and Application for Concurrent Air Construction/PSD Permit Revision received via Electronic Permit Submittal and Processing System (EPSAP) on November 17, 2010.

Additional Requested Changes to PSD permits dated and received from CDM (on behalf of Applicant) on July 22, 2011.

### Relevant Documents

- PSD-FL-108A.
- Permit No. 0990234-006-AC/PSD-FL-108F.

## 2. PSD APPLICABILITY

### General PSD Applicability

For areas currently in attainment with the state and federal AAQS or areas otherwise designated as unclassifiable, the Department regulates major stationary sources of air pollution in accordance with Florida's PSD preconstruction review program as defined in Rule 62-212.400, F.A.C. Under preconstruction review, the Department first must determine if a project is subject to the PSD requirements ("PSD applicability review") and, if so, must conduct a PSD preconstruction review. A PSD applicability review is required for projects at new and existing major stationary sources. In addition, proposed projects at existing minor sources are subject to a PSD applicability review to determine whether potential emissions *from the proposed project itself* will exceed the PSD major stationary source thresholds. A facility is considered a major stationary source with respect to PSD if it emits or has the potential to emit:

- 5 tons per year or more of lead;
- 250 tons per year or more of any regulated air pollutant; or
- 100 tons per year or more of any regulated air pollutant and the facility belongs to one of the following 28 PSD-major facility categories: fossil fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input, coal cleaning plants (with thermal dryers), Kraft pulp mills, portland cement plants, primary zinc smelters, iron and steel mill plants, primary aluminum ore reduction plants, primary copper smelters, municipal incinerators capable of charging more than 250 tons of refuse per day, hydrofluoric, sulfuric, and nitric acid plants, petroleum refineries, lime plants, phosphate rock processing plants, coke oven batteries, sulfur recovery plants, carbon black plants (furnace process), primary lead smelters, fuel conversion plants, sintering plants, secondary metal production plants, chemical process plants, fossil fuel boilers (or combinations thereof) totaling more than 250 million British thermal units per hour heat input, petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels, taconite ore processing plants, glass fiber processing plants and charcoal production plants.

Once it is determined that a project is subject to PSD preconstruction review, the project emissions are compared to the "significant emission rates" defined in Rule 62-210.200, F.A.C. for the following pollutants: carbon monoxide (CO); nitrogen oxides (NO<sub>x</sub>); sulfur dioxide (SO<sub>2</sub>); particulate matter (PM); particulate matter with a mean particle diameter of 10 microns or less (PM<sub>10</sub>); volatile organic compounds (VOC); lead (Pb); fluorides (F); sulfuric acid mist (SAM); hydrogen sulfide (H<sub>2</sub>S); total reduced sulfur (TRS), including H<sub>2</sub>S; reduced sulfur compounds, including H<sub>2</sub>S; municipal waste combustor organics measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans; municipal waste combustor metals measured as PM; municipal waste combustor acid gases measured as SO<sub>2</sub> and hydrogen chloride (HCl); municipal solid waste landfills emissions measured as non-methane organic compounds (NMOC); and mercury (Hg). In addition, significant emissions rate also means any emissions rate or any net emissions increase associated with a major stationary source or major modification which would construct within 10 kilometers of a Class I area and have an impact on such area equal to or greater than 1 µg/m<sup>3</sup>, 24-hour average.

If the potential emission exceeds the defined significant emissions rate of a PSD pollutant, the project is considered "significant" for the pollutant and the applicant must employ the Best Available Control Technology (BACT) to minimize the emissions and evaluate the air quality impacts. Although a facility or project may be *major* with respect to PSD for only one regulated pollutant, it may be required to install BACT controls for several "significant" regulated pollutants.

### PSD Applicability for Project

The project will revise miscellaneous permit conditions. There will be no emissions increases and the project is not subject to PSD preconstruction review. Because the revisions are being made to PSD permits, a 30-day comment period will be specified concurrent with the 30-day comment period for the draft/proposed Title V air operation permit.

### 3. DEPARTMENT REVIEW

#### Response to Requested Revisions

As part of the project for the Title V air operation permit renewal (Project No. 0990234-020-AV), the applicant requested several changes to Title V air operation permit conditions. Some of these changes required revisions to the underlying PSD/air construction permit conditions, which are explained below in this Technical Evaluation and Preliminary Determination.

The applicant requested changes to two PSD permits by submitting a request with the Title V air operation permit renewal (Project No. 0990234-020-AV).

**1<sup>st</sup> Permit Being Modified:** PSD-FL-108A

**Affected Emissions Units:** Municipal Solid Waste (MSW) Boiler Nos. 1 and 2 (E.U. ID Nos. 001 & 002)

The "Specific Condition No." cited below refers to the specific condition in PSD-FL-108A.

1. Specific Condition 3.f., limits beryllium (Be) emissions from each unit to  $7.3 \times 10^{-7}$  lbs/MMBtu and Specific Condition 4.o. requires testing.

Applicant's Requested Change:

The applicant requested that the Be emissions limit and testing requirements be removed for MSW Boiler Unit Nos. 1 and 2.

Department's Response:

Rule 62-210.200 (Significant Emission Rates), F.A.C. no longer lists Be, therefore, Be was effectively "delisted" as a PSD pollutant in this rule change effective August 15, 1999. The Be emissions limit and associated testing requirements are removed from the permit.

2. Specific Condition 3.g., limits fluoride (F) emissions from each unit to  $3.2 \times 10^{-3}$  lb/MMBtu and Specific Condition 4.l. requires testing. The annual equivalent emissions for each unit are 5.78 tons per year (TPY).

Applicant's Requested Change:

The applicant requested that the F emissions limit and testing requirements be removed for MSW Boiler Unit Nos. 1 and 2.

Department's Response:

Fluoride (F) is a PSD pollutant; however, F is not emitted directly by a municipal waste combustor (MWC). In an exhaust stream rich with moisture, like from an MWC, F is emitted in the form of an acid gas - hydrofluoric acid (HF). HF is not a PSD pollutant; yet typically, all of the HF emitted is assumed to be F. The latest update to 40 CFR 60, Subparts Cb/Eb (May 10, 2006) does not include a limit for F emissions but, does limit MWC acid gases with specific emission limits for SO<sub>2</sub> and HCl. HF is a strong acid gas. Indirectly, HF/F is therefore restricted by the federal MWC acid gas (SO<sub>2</sub> and HCl) standards.

The Department recently issued a PSD/AC permit for the SWA's Palm Beach Renewable Energy Facility No. 2 on December 23, 2010, and determined that "it was unnecessary to set a BACT based limit or testing requirements for F given the history at the NCRRF." A detailed review of 5-year stack testing data at the NCRRF in the Department's database indicates F emissions from MSW Boiler Unit No. 1 ranged from 89 - 99 % below the limit and F emissions from MSW Boiler Unit No. 2 ranged from 84 - 99 % below the limit. The corresponding equivalent values ranged from 0.0253 - 0.658 TPY for MSW Boiler Unit No. 1 and from 0.0307 - 0.903 TPY for MSW Boiler Unit No. 2. Maximum emissions during the 5-year period from MSW Boiler Unit Nos. 1 and 2 were therefore 1.6 TPY.

Based on the stack testing history, the fact that these units have acid gas controls (spray dryer absorbers) and the federal MWC acid gas emission limits apply to these units, there are reasonable assurances that actual F emissions from the MSW Boiler Unit Nos. 1 and 2 should remain at their current levels which is less than 3 TPY (the level to trigger a BACT determination under PSD).

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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For these reasons, the Department believes that there is no longer a need to limit or test for F emissions from the MSW Boiler Unit Nos. 1 and 2 at the North County Regional Resource Recovery Facility. The F emissions limit and testing requirements for MSW Boiler Unit Nos. 1 and 2 are removed from the permit.

3. Specific Condition 4.i., specifies that EPA Method 26 shall be used for the determination of hydrochloric acid concentration or other methods approved by the Department and EPA.

Applicant's Requested Change:

The applicant requested that this specific condition include modifications to the EPA Method 26 sampling train.

Department's Response:

The Department's research has indicated no biases are expected solely from the requested modifications. The Department has been approving the specifically requested sampling train modifications for each municipal waste combustor facility in Florida via the ASP procedure. The ASP has contained an expiration date. Including the sampling train modifications in an AC permit eliminates the need for an ASP, i.e. the need to renew it every 5 years independent of the Title V permit. The requested modifications to the EPA Method 26 in Specific Condition 4.i. are made.

4. Specific Condition 9., contains a 10% restriction on natural gas as an auxiliary fuel.

Applicant's Requested Change:

The applicant requested that this specific condition be deleted.

Department's Response:

A 10% restriction on the firing of natural gas as an auxiliary fuel fired in burners had been in all MWC permits prior to the 40 CFR 60, Subpart Db being amended. The NSPS 40 CFR 60, Subpart Db, as amended on June 13, 2007, includes an exemption for units regulated under the EG 40 CFR 60, Subpart Cb (see 40 CFR 60.40b(k)). Therefore, the requirement specifying a 10% restriction on natural gas as an auxiliary fuel and any associated recordkeeping requirement are now obsolete under the federal regulation. The requested deletion is made.

**2<sup>nd</sup> Permit Being Modified:** Permit No. 0990234-006-AC/PSD-FL-108F, as amended  
**Affected Emissions Units:** Biosolids Pelletization Facility (BPF)  
BPF Sludge Dryer Train Nos. 1 & 2 (E.U. ID Nos. 010 & 011)

The "Specific Condition No." cited below refers to the specific condition in PSD-FL-108F.

1. The emissions unit description and Specific Condition No. III.A.2. specify what fuels are allowed to be burned in the BPF Sludge Dryer Train Nos. 1 and 2.

Applicant's Requested Change:

The applicant requested that the BPF Sludge Dryer Train Nos. 1 and 2 be allowed to also fire 100% natural gas and a blend of landfill gas with natural gas.

Department's Response:

The original PSD/AC permit application requested that the BPF Sludge Dryer Train Nos. 1 and 2 be fired primarily on landfill gas with natural gas as an alternate (back-up) fuel. Air pollutant emission rate calculations in the original PSD/AC permit application were based on 100% combustion of landfill gas. Worst case emissions are expected to be from 100% combustion of landfill gas. The combustion of natural gas is expected to result in lower air pollutant emission rates. While it is a change to the permit, no emission increases are expected. The requested changes are made.

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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### Revisions

The approved revisions are shown in ~~striketrough~~ (for deletions) and double-underlines (for additions) format within the permit revision itself. All changes are emphasized with yellow highlight.

### 4. PRELIMINARY DETERMINATION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. No air quality modeling analysis is required because the project does not result in a significant increase in emissions.

Mr. Scott M. Sheplak, P.E. is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting him by telephone at 850/717-9074 or by e-mail at [scott.sheplak@dep.state.fl.us](mailto:scott.sheplak@dep.state.fl.us) in the Department's Office of Permitting and Compliance at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.



# 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

## PERMITTEE

Solid Waste Authority of Palm Beach County  
North County Regional Resource Recovery Facility

Draft Permit No. 0990234-019-AC/PSD-FL-108I  
Air Construction Permit Revision -  
Miscellaneous Revisions

Palm Beach County, Florida

Authorized Representative:  
Mr. Mark Hammond, Executive Director

## PROJECT

This is the final air construction permit, which revises Permit No. 0990234-006-AC/PSD-FL-108F for the Biosolids Pelletization Facility (BPF). Revisions are made to other miscellaneous PSD permit conditions. This facility is an existing municipal waste combustor plant categorized under Standard Industrial Classification No. 4953. This existing plant is located in Palm Beach County at 7501 North Jog Road, West Palm Beach; UTM Coordinates: Zone 17, 585.82 km East and 2960.474 km North; Latitude: 26° 45' 53" North and Longitude: 80° 08' 12" West.

This final permit is organized into the following sections: Section 1 (General Information) and Section 2 (Permit Revisions). [(if applicable) As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.]

## STATEMENT OF BASIS

This air pollution construction permit is 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.). 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. A copy of this permit modification shall be filed with the referenced permit and shall become part of the permit.

Upon issuance of this final permit, 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 Tallahassee, Florida  
For the Division of Air Resource Management

*(Revised Draft)*

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Printed Name of Above Designee)

JFK/sa/sms



**PERMIT REVISION**

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**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit Revision) 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 \_\_\_\_\_ (*Revised Draft*) \_\_\_\_\_ to the persons listed below.

- Mr. Mark Hammond, SWA: [mhammond@swa.org](mailto:mhammond@swa.org)
- Ms. Marybeth Morrison, SWA: [mmorrison@swa.org](mailto:mmorrison@swa.org)
- Mr. Manuel Hernandez, P.E., CDM: [hernandezmj@cdm.com](mailto:hernandezmj@cdm.com)
- Mr. Lennon Anderson, P.E., DEP Southeast District Office: [lennon.anderson@dep.state.fl.us](mailto:lennon.anderson@dep.state.fl.us)
- Mr. James Stormer, PBCHD: [james\\_stormer@doh.state.fl.us](mailto:james_stormer@doh.state.fl.us)
- Ms. Cindy Mulkey, DEP Siting Office: [cindy.mulkey@dep.state.fl.us](mailto:cindy.mulkey@dep.state.fl.us)
- Ms. Heather Abrams, U.S. EPA Region 4: [abrams.heather@epa.gov](mailto:abrams.heather@epa.gov)
- Ms. Katy R. Forney, U.S. EPA Region 4: [forney.kathleen@epa.gov](mailto:forney.kathleen@epa.gov)
- Ms. Ana Oquendo-Vazquez, U.S. EPA Region 4: [oquendo.ana@epa.gov](mailto:oquendo.ana@epa.gov)
- Ms. Barbara Friday, DEP OPC: [barbara.friday@dep.state.fl.us](mailto:barbara.friday@dep.state.fl.us) (for posting with U.S. EPA, Region 4)
- Ms. Lynn Searce, DEP OPC: [lynn.searce@dep.state.fl.us](mailto:lynn.searce@dep.state.fl.us) (for reading file)

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.

*(Revised Draft)*

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
Date

## SECTION 1. GENERAL INFORMATION

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### FACILITY DESCRIPTION

This existing facility is a municipal waste combustor plant designed to process 2,000 tons per day (TPD) of municipal solid waste (MSW). The facility burns processed MSW that is called "refuse derived fuel" (RDF). The RDF plant is equipped with three MSW processing lines, any two of which can handle the 2,000 TPD of incoming MSW. The boiler plant includes two Babcock & Wilcox (B&W) boilers (Nos. 1 and 2) with auxiliary burners. Each boiler was designed with a maximum heat input of 427.5 MMBtu/hr and a maximum steam production rating of 324,000 lbs/hour. At a reference heating value of 5,700 Btu/lb, this is equivalent to 900 TPD of RDF per boiler. The gross nominal electric generating capacity of the facility is 62 megawatts (MW).

Two landfills, a Class I Landfill and a Class III Landfill, each with its own gas collection system and flare are located at the facility. Additional activities at the facility include: a composting facility, material processing systems, a metals recovery system, storage and handling systems for RDF; lime storage and processing facilities; storage and handling systems for ash and ash treatment; and, cooling towers. A biosolids pelletization facility (BPF) is located adjacent to the existing landfill.

The facility is owned by the Solid Waste Authority and operated by Palm Beach Resource Recovery Corporation, a subsidiary of Babcock and Wilcox Corporation.

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

### FACILITY REGULATORY CLASSIFICATION

- This facility is a major source of hazardous air pollutants (HAP).
- This facility does not operate units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400 (PSD), F.A.C.

### PROPOSED PROJECT

As part of the project for the Title V air operation permit renewal (Project No. 0990234-020-AV), the applicant requested a concurrent air construction permit revision to change several underlying construction permit conditions found in two PSD permits.

Additional Requested Changes to PSD permits dated and received from CDM (on behalf of Applicant) on July 22, 2011.

## SECTION 2. PERMIT REVISIONS

The following permit conditions and emissions unit description are revised as indicated. ~~Strikethrough~~ is used to denote the deletion of text. Double-underlines are used to denote the addition of text. All changes are emphasized with yellow highlight in the electronic document.

This facility has MWC (municipal waste combustor) type emissions units that are subject to the emission standards and limitations under the May 10, 2006 federal amendments to the 40 CFR 60 Subparts Cb/Eb.

**1<sup>st</sup> Permit Being Modified:** PSD-FL-108A

**Affected Emissions Units:** Municipal Solid Waste Boiler Nos. 1 and 2 (E.U. ID Nos. 001 & 002)

The affected Specific Condition Nos. 3.f., 3.g., 4.i., 4.l., 4.o. and 9. from PSD-FL-108A are hereby changed as follows (the remainder of the permit remains unchanged as a result of this permitting action):

~~3.f. Beryllium 7.3 x 10<sup>-7</sup> lbs/MMBtu.~~

~~3.g. Fluoride: 0.0032 lbs/MMBtu.~~

4.i. EPA Method 26 shall be used for the determination of hydrochloric acid concentration or other methods approved by DEP and EPA. The permittee may modify the EPA Method 26 sampling train as follows: full-size (Greenburg-Smith design) impingers may be used in lieu of midget impingers; and, the two sodium hydroxide (NaOH) impingers may be replaced with one empty impinger.

~~4.l. Method 13A or 13B for determination of fluoride concentrations and associated moisture content, or other Methods approved by DER. One sample constitutes one test run.~~

~~4.o. Method 104 for determination of beryllium emission rate and associated moisture content, or other Methods approved by DER. One sample shall constitute one test run.~~

~~9. The annual capacity factor for the auxiliary gas burners, as determined by 40 CFR 60.43B(d), shall be less than 10%.~~

**2<sup>nd</sup> Permit Being Modified:** Permit No. 0990234-006-AC/PSD-FL-108F, as amended

**Affected Emissions Units:** Biosolids Pelletization Facility (BPF)  
BPF Sludge Dryer Train Nos. 1 & 2 (E.U. ID Nos. 010 & 011)

The emissions unit description and the affected Specific Condition No. III.A.2. from Permit No. 0990234-006-AC/PSD-FL-108F are hereby changed as follows (the remainder of the permit remains unchanged as a result of this permitting action):

### Emissions Unit Description

The BPF will have two 337.5 wtpd {67.5 dry tpd} sludge drying trains Dryer Train #1 and #2, and related appurtenances. Each dryer train at the BPF ~~will may~~ combust natural gas and/or landfill gas generated from the nearby landfill in a rotary drum dryer to dry sewage sludge, and then screen the dried sludge into marketable fertilizer pellets. ~~Natural gas will be used as an alternate fuel.~~ Each dryer has a rated capacity of 40 MMBTU/hr heat input {for either landfill or natural gas} plus an additional 2 MMBTU/hr heat input from each regenerative thermal oxidizer (RTO) for a total rated capacity of 84 MMBTU/hr heat input from the dryers and RTOs.

### Specific Condition No. III.A.2.

**A.2. Methods of Operation - Fuels.** The dryers ~~shall may~~ be fired ~~primarily by~~ natural gas and/or landfill gas ~~with natural gas used as an alternate fuel.~~

[Rules 62-4.160(2) and 62-210.228(PTE), F.A.C.]

**Friday, Barbara**

---

**To:** ✓mhammond@swa.org  
**Cc:** mmorrison@swa.org; hernandezmj@swa.org; Anderson, Lennon;  
james\_stormer@doh.state.fl.us; Mulkey, Cindy; abrams.heather@epa.gov;  
forney.kathleen@epamail.epa.gov; oquendo.ana@epa.gov; Searce, Lynn; Sheplak, Scott;  
Arif, Syed  
**Subject:** SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RRF;  
0990234-019-AC/PSD-FL-108I - 0990234-020-AV  
**Attachments:** 0990234-019-ACPSD-FL-108I-0990234-020-AVSignedWrittenNoticeofIntent.pdf

Dear Mr. Hammond:

Attached is the official **Notice of Revised Draft Permit** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; 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".

**Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).**

Attention: Scott Sheplak

Owner/Company Name: SOLID WASTE AUTHORITY OF PBC  
Facility Name: SOLID WASTE AUTHORITY OF PBC/NCRRF  
Project Number: 0990234-019-AC/PSD-FL-108I-0990234-020-AV  
Permit Status: REVISED DRAFT/PROPOSED  
Permit Activity: REVISED DRAFT CONSTRUCTION/TITLE V PERMIT RENEWAL  
Facility County: PALM BEACH

Click on the following link to access the permit project documents:

[http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf\\_permit\\_zip\\_files/0990234.019.AC.R\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0990234.019.AC.R_pdf.zip)

Click on the following link to access the permit project documents:

[http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf\\_permit\\_zip\\_files/0990234.020.AV.R\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0990234.020.AV.R_pdf.zip)

The Office of Permitting and Compliance 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. Access these documents by clicking on the link provided above, or search for other project documents using the "Air Permit Documents Search" website at <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

Permit project documents addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Office of Permitting and Compliance.

Note: The attached 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>> .

**Friday, Barbara**

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**To:** mhammond@swa.org  
**Subject:** SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RRF  
**Attachments:** 0990234-019-ACPSD-FL-108I-0990234-020-AVSignedWrittenNoticeofIntent.pdf

Mr. Hammond,

I have not received confirmation that you were able to access this August 17th attached document. Please confirm receipt by opening the attachment and sending a reply to me.

The Division of Air Resource Management is sending electronic versions of these documents rather than sending them Return Receipt Requested via the US Postal service. Your "receipt confirmation" reply serves the same purpose as tracking the receipt of the signed "Return Receipt" card from the US Postal Service. Please let me know if you have any questions.

Thank you,

Air Permitting and Compliance Section  
Division of Air Resources Management (DARM)  
(850)717-9095  
[Barbara.Friday@dep.state.fl.us](mailto:Barbara.Friday@dep.state.fl.us)

## Friday, Barbara

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**From:** Mark Hammond [mhammond@swa.org]  
**Sent:** Monday, August 22, 2011 4:02 PM  
**To:** Friday, Barbara  
**Subject:** RE: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RRF

I have received the document.

Mark Hammond

**From:** Friday, Barbara [<mailto:Barbara.Friday@dep.state.fl.us>]  
**Sent:** Monday, August 22, 2011 9:29 AM  
**To:** Mark Hammond  
**Subject:** SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RRF

Mr. Hammond,

I have not received confirmation that you were able to access this August 17th attached document. Please confirm receipt by opening the attachment and sending a reply to me.

The Division of Air Resource Management is sending electronic versions of these documents rather than sending them Return Receipt Requested via the US Postal service. Your "receipt confirmation" reply serves the same purpose as tracking the receipt of the signed "Return Receipt" card from the US Postal Service. Please let me know if you have any questions.

Thank you,

Air Permitting and Compliance Section  
Division of Air Resources Management (DARM)  
(850)717-9095  
[Barbara.Friday@dep.state.fl.us](mailto:Barbara.Friday@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 minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.*

**Friday, Barbara**

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**From:** Microsoft Exchange  
**To:** 'hernandezmj@cdm.com'  
**Sent:** Wednesday, August 17, 2011 11:36 AM  
**Subject:** Relayed: FW: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RRF; 0990234-019-AC/PSD-FL-108I - 0990234-020-AV

**Delivery to these recipients or distribution lists is complete, but delivery notification was not sent by the destination:**

'hernandezmj@cdm.com'

**Subject:** FW: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RRF; 0990234-019-AC/PSD-FL-108I - 0990234-020-AV

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Sent by Microsoft Exchange Server 2007

## Friday, Barbara

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**From:** Hernandez, Manuel [HernandezMJ@cdm.com]  
**To:** Friday, Barbara  
**Sent:** Wednesday, August 17, 2011 12:02 PM  
**Subject:** Read: FW: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY  
RRF; 0990234-019-AC/PSD-FL-108I - 0990234-020-AV

Your message was read on Wednesday, August 17, 2011 12:01:31 PM (GMT-05:00) Eastern Time (US & Canada).