



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

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
Draft/Proposed Permit No. 0990234-022-AV, Title V Air Operation Permit Revision
Draft Permit No. 0990234-021-AC/PSD-FL-108J, Air Construction Permit Revision

Dear Mr. Hammond:

Enclosed is the draft/proposed permit package for a Title V air operation permit revision 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, West Palm Beach, Florida. The permit package includes the following documents:

- The Written Notice of Intent to Issue Air Permit provides important information regarding: the Permitting Authority's intent to issue an air permit 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 Permit 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 Permit 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 the following address: quendo.ana@epamail.epa.gov.
- The Statement of Basis, which summarizes the facility, the equipment, and the primary rule applicability, and the changes since the last Title V renewal.
- The draft/proposed Title V air operation permit revision, 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 the underlying construction permit conditions.
- The 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., Program Administrator, Office of Permitting and Compliance Section, at the above letterhead address. If you have any questions, please contact the Project Engineer, Edward J. Svec, by telephone at 850/717-9031 or by email at ed.svec@dep.state.fl.us.

Sincerely,

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

11-21-11

Date

Enclosures
JFK/sa/sms/ejs

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

*In the Matter of an
Application for Title V Air Operation Permit by:*

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

Draft/Proposed Permit No. 0990234-022-AV
Draft Permit No. 0990234-021-AC/PSD-FL-108J
Facility ID No. 0990234
North County Regional Resource Recovery Facility
Title V Air Operation Permit Revision
Air Construction Permit Revision
Palm Beach County, Florida

Responsible Official:
Mr. Mark Hammond, Executive Director

Facility Location: Solid Waste Authority of Palm Beach County operates the North County Regional Resource Recovery Facility, which is located in Palm Beach County at 7501 North Jog Road, West Palm Beach, Florida.

Project: The purpose of this project is to revise Title V air operation permit No. 0990234-020-AV and to revise several miscellaneous provisions in the underlying air construction permits, for the above referenced facility. Details of the project are provided in the application; the enclosed Statement of Basis; and, the enclosed 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, and 62-213 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 permit, the statement of basis, 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 permit by visiting the following website: <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 Permit: The Permitting Authority gives notice of its intent to issue a draft/proposed Title V air operation permit revision and a concurrent draft air construction permit revision to the applicant 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, 62-296 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.

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 Permit (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

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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 the draft air construction permit revision 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 Permit. 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 Permit, 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 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

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Title V Air Operation Permit (including the Public Notice, the Statement of Basis, the Draft/Proposed Permit Title V Air Operation Permit, the Technical Evaluation and Preliminary Determination, and the 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

11-21-11 to the persons listed below.

- Mr. Mark Hammond, SWA: mhammond@swa.org
Ms. Mary Beth Morrison, SWA: mmorrison@swa.org
Mr. Christopher Tilman, P.E., Malcolm Pirnie: christopher.tilman@arcadis-us.com
Mr. Lennon Anderson, P.E., DEP Southeast District Office: lennon.anderson@dep.state.fl.us
Mr. James Stormer, PBCHD: james_stormer@doh.state.fl.us
Ms. Cindy Mulkey, DEP Siting Office: cindy.mulkey@dep.state.fl.us
Ms. Heather Ceron, U.S. EPA Region 4: ceron.heather@epa.gov
Ms. Katy R. Forney, U.S. EPA Region 4: forney.kathleen@epa.gov
Ms. Ana Oquendo-Vazquez, U.S. EPA Region 4: oquendo.ana@epa.gov
Ms. Barbara Friday, DEP OPC: 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 (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.

Handwritten signature of Barbara Friday and date 11-21-11 with labels (Clerk) and (Date) below.

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Florida Department of Environmental Protection
Division of Air Resource Management, Office of Permitting and Compliance
Draft/Proposed Permit No. 0990234-022-AV, Title V Air Operation Permit Revision
Draft Permit No. 0990234-021-AC/PSD-FL-108J, 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 authorized representative and mailing address is: Mr. Mark Hammond, Executive Director, Solid Waste Authority of Palm Beach County, North County Regional Resource Recovery Facility, 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 in West Palm Beach, Florida.

Project: The applicant applied on September 16, 2011 to the Department for a Title V air operation permit revision. This is a revision of Title V air operation permit No. 0990324-020-AV. The 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

Permitting Authority: Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-213 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 website:

<http://www.dep.state.fl.us/air/eproducts/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.

(Public Notice to be Published in the Newspaper)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

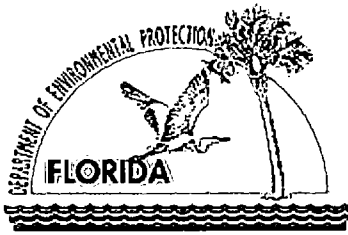
proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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.

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: oquenodo.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 at 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 in 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
&
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

Draft Permit No. 0990234-021-AC/PSD-FL-108J
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
Office of Permitting and Compliance
2600 Blair Stone Road, MS#5505
Tallahassee, Florida 32399-2400

November 8, 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.

Glossary of Common Terms

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

Facility Description and Location

North County Regional Resource Recovery Facility is an existing municipal waste combustor plant, which is categorized under Standard Industrial Classification Code No. 4953. The facility is located in Palm Beach County at 7501 North Jog Road in West Palm Beach, Florida. The UTM coordinates of the existing facility are Zone 17, 585.82 km East, and 2960.474 km North. 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).
- The facility has no 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 a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.
- The facility is subject to Power Plant Site Certification PA84-20.

Project Description

As part of the project for the Title V operation permit revision (Project No. 0990234-022-AV), the applicant requests concurrent air construction permit revision to 1.) change the annual test frequency of volatile organic compounds (VOC) prior to permit renewal (once every five years) for the two Municipal Waste Combustor boilers; 2.) revise the test frequency language from annual to a calendar year requirement to match the language in the latest Title V air operating permit; 3.) revise the dioxin/furan standard to comply with the requirements in 40 CFR 60 Subpart Cb for sources controlled with a baghouse; 4.) eliminate the annual test frequency for ammonia; and, 5.) change the carbon silo from a regulated emissions unit to an insignificant emissions unit.

Processing Schedule

09/16/2011 Received the application for a Title V Air Operation Permit Revision and Application for

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

Concurrent Air Construction/PSD Revision.

10/4/2011 Received information supporting the request to make the carbon silo an insignificant emissions unit in the Title V permit.

10/26/2011 Received a request to eliminate the annual test requirement for ammonia.

Relevant Documents

- PSD-FL-108A.
- Permit No. 0990234-015-AC/PSD-FL-108H.

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_x); sulfur dioxide (SO₂); particulate matter (PM); particulate matter with a mean particle diameter of 10 microns or less (PM₁₀); volatile organic compounds (VOC); lead (Pb); fluorides (F1); sulfuric acid mist (SAM); hydrogen sulfide (H₂S); total reduced sulfur (TRS), including H₂S; reduced sulfur compounds, including H₂S; municipal waste combustor organics measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans; municipal waste combustor metals measured as particulate matter; municipal waste combustor acid gases measured as SO₂ 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/m³, 24-hour average.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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 a testing frequency permit condition, lower an allowable emission limit and change a unit's classification to insignificant for Title V purposes. 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 revision.

3. DEPARTMENT REVIEW

Response to Requested Revisions

As part of the project for the Title V air operation permit revision (Project No. 0990234-022-AV), the applicant requested several changes to Title V air operation permit conditions. These changes required revisions to the underlying PSD/air construction permit conditions, which are discussed 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 revision (Project No. 0990234-022-AV).

1st Permit being Modified: PSD-FL-108A

Affected Emissions Units: Municipal Solid Waste (MSW) Boilers 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 No. 4. requires annual testing for volatile organic compounds.

Applicant's Requested Change:

The applicant requests that the stack testing requirement for volatile organic compounds be changed from "annual" to "prior to permit renewal". The applicant has provided five years of stack test results along with results from the carbon monoxide continuous emissions monitors that show good combustion and volatile organic compounds below 30 percent of the allowable emission rate for each of the two emissions units.

Department's Response:

Each of the emissions units has an allowable emissions rate of 0.016 pound per million Btu heat input for volatile organic compounds. At the maximum heat input of 427.5 million Btu heat input per hour, the maximum allowable emissions of volatile organic compounds from each unit would be 29.96 tons per year. However, the actual emissions from each unit have been below 8.99 tons per year, based on five years stack test results. The continuous emissions monitoring data provided with the request shows that the units are achieving good combustion. Volatile organic compounds are controlled by good combustion practices. The federal regulations under 40 CFR 60 Subparts Cb/Eb were initially promulgated in 1995, well after the original PSD permit was issued (1992). These federal regulations limit carbon monoxide emissions, specify combustor operating practices and, require operator training and certification. Also, the owner or operator is required to follow best operational practices to minimize excess emissions of carbon monoxide and is required to follow the specific practices contained in an operational manual. High carbon monoxide emissions, like volatile organic compound emissions, are an indicator of incomplete combustion. Limiting carbon monoxide emissions and following good combustion practices to lower carbon monoxide emissions serves as an indicator of good combustion, thereby also limiting emissions of volatile organic compounds.

In the past the Department has used good combustion as demonstrated by low carbon monoxide emissions as

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

a surrogate to show compliance with volatile organic compound emissions limits in lieu of stack testing. The applicant provided the last five years of test data which show carbon monoxide emissions less than 50 percent of the 24-hour standard and corresponding volatile organic compound emissions less than 25 percent of the standard. Specific Condition 4. is changed to indicate compliance with the volatile organic compound limit shall be demonstrated by compliance with the carbon monoxide limit in lieu of stack testing, but should the Department feel the volatile organic compound limit is not being met, a special compliance test could be required.

2. Specific Condition No. 4. requires each unit to be tested within 180 days of issuance of this permit, and annually thereafter.

Applicant's Requested Change:

The applicant requests the test frequency be changed from "annually" to "thereafter on a calendar year basis (no less than 9 calendar months and no more than 15 calendar months following the previous performance test; must complete 5 performance tests in each 5-year calendar period)." This language is currently in the latest Title V air operating permit renewal.

Department's Response:

This change in language was made in a recent revision to 40 CFR 60.58b for all of the regulated pollutants except hydrogen chloride. The test frequency for hydrogen chloride remains an annual requirement. Specific Condition No. 4. is changed to reflect these requirements.

3. Specific Condition No. 3.1. limits the emissions of dioxins/furans to not to exceed 60 ng/dscm at 7% O₂.

Applicant's Requested Change:

The applicant requests the emission limit be changed to 30 nanograms per dry standard cubic meter (total mass), corrected to seven percent oxygen for a baghouse controlled unit, in accordance with the recent change to 40 CFR 60.33b.

Department's Response:

Specific Condition No. 3.1. is changed to reflect this requirement.

2nd Permit being Modified: 0990234-015-AC/PSD-FL-108H

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

The "Specific Condition No." cited below refers to the specific condition in 0990234-015-AC/PSD-FL-108H.

1. Specific Condition No. 8. requires the activated carbon silo baghouse to have an outlet grain loading of 0.01 grain per actual cubic foot. Specific Condition No. 11. limits the baghouse exhaust to 5% opacity. Specific Condition No. 16. requires an annual EPA Method 9 test.

Applicant's Requested Change:

The applicant requests the activated carbon silo be designated as an insignificant emissions unit in the Title V air operating permit. When the application for this permit was submitted, the applicant based the emissions estimate of 0.58 ton per year on 100 hours of silo fills per year at a fill rate of 20 tons per hour. The PM/PM₁₀ PSD review for this new source was performed using these projections. The applicant has since determined that actual fill hours will be approximately 20 hours per year which will make the annual PM/PM₁₀ emissions from this source approximately 0.0174 ton per year. It should be noted that emissions from this source only occur during filling of the silo.

Department's Response:

For an emissions unit to be considered insignificant, one of the criteria is it shall not emit or have the potential

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

to emit 5.0 tons per year or more of a regulated air pollutant. Even at 100 fill hours per year (0.58 ton per year of PM/PM₁₀), this emissions unit easily qualifies as an insignificant emissions unit. However, another requirement is the unit cannot be subject to a unit-specific applicable requirement. There is no state or federal rule which regulates this type of source. But, the inclusion of Specific Condition Nos. 11. and 16. in the permit are considered unit-specific applicable requirements, by definition. Specific Condition No. 8 is considered by the Department to only define design parameters for the baghouse.

The Department agrees that this silo should be considered an insignificant emissions unit for the purposes of Title V permitting. Since there are no current regulations applicable to this source and in order to meet the "not subject to unit-specific requirements" provision for approval, Specific Condition Nos. 11. and 16. will be deleted.

2. Specific Condition No. 17.b. requires an annual test be conducted for ammonia slip.

Applicant's Requested Change:

The applicant requests the annual test requirement be eliminated. The applicant states there is no emission limit for ammonia slip established in the permit and that the results of performance tests conducted for ammonia slip on each unit were less than 20 percent of the design specification of 15 parts per million.

Department's Response:

The Department agrees that there is not an emission limit established for ammonia slip. The permit only mentions a "preliminary design target for ammonia slip of 15 parts per million by volume dry (ppmvd) corrected to 15% oxygen." The demonstration tests on the two units showed 2 to 3 ppmvd ammonia for each test run. In addition, the injection rate of urea into the SNCR is continuously monitored and will act as assurance the ammonia slip remains below the 15 ppmvd design target. Considering these facts, the Department agrees that the annual test requirement can be deleted.

Specific Condition No. 17.b. is amended to reflect this change.

Revisions

The approved revisions are shown in ~~strikethrough~~ (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.

Edward J. Svec is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer by telephone at 850/717-9031 or by e-mail at ed.svec@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. 0990234-021-AC/PSD-FL-108J
Air Construction Permit Revision -
Miscellaneous Revisions

Authorized Representative:

Mr. Mark Hammond, Executive Director

Palm Beach County, Florida

PROJECT

This is the final air construction permit, which revises PSD-FL-108A and Permit No. 0990234-015-AC/PSD-FL-108H for Municipal Solid Waste Combustor Units 1 and 2. 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

(Draft)

(Signature)

(Date)

(Printed Name of Above Designee)

JFK/sa/sms/ejs

PERMIT REVISION

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 _____ (Draft) _____ to the persons listed below.

- Mr. Mark Hammond, SWA: mhammond@swa.org
- Ms. Marybeth Morrison, SWA: mmorrison@swa.org
- Mr. Manuel Hernandez, P.E., CDM: hernandezmj@cdm.com
- Mr. David Dee, Young van Assenderp, P.A.: ddee@yvlaw.net
- Mr. Lennon Anderson, P.E., DEP Southeast District Office: lennon.anderson@dep.state.fl.us
- Mr. James Stormer, PBCHD: james_stormer@doh.state.fl.us
- Ms. Cindy Mulkey, DEP Siting Office: cindy.mulkey@dep.state.fl.us
- Ms. Heather Ceron, U.S. EPA Region 4: ceron.heather@epa.gov
- Ms. Katy R. Forney, U.S. EPA Region 4: forney.kathleen@epa.gov
- Ms. Ana Oquendo-Vazquez, U.S. EPA Region 4: quendo.ana@epa.gov
- Ms. Barbara Friday, DEP OPC: barbara.friday@dep.state.fl.us (for posting with U.S. EPA, Region 4)
- Ms. Lynn Scearce, DEP OPC: lynn.scearce@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.

(Draft)

Clerk

Date

SECTION 1. GENERAL INFORMATION

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 revision (Project No. 0990234-022-AV), the applicant requested a concurrent air construction permit revision to change several underlying construction permit conditions found in two PSD permits.

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.

1st 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. 3.1. and 4. from PSD-FL-108A are hereby changed as follows (the remainder of the permit remains unchanged as a result of this permitting action):

Specific Condition No. 3.1.

3.1. Dioxins/Furans: Emissions of total (tetra thru octa-chlorinated dibenzo-p dioxins and dibenzofurans) shall not exceed ~~60~~ 30 ng/dscm at 7% O₂.

Specific Condition No. 4.

~~4. Each unit shall be tested within 180 days of issuance of this permit, and annually thereafter, to demonstrate compliance with emission standards mentioned in specific condition No. 3, using the following EPA test methods contained in 40 CFR 60, Appendix A and in accordance with F.A.C. Section 17-2.700:~~

4. Each unit shall be tested within 180 days of issuance of this permit to demonstrate compliance with emission standards for all pollutants mentioned in specific condition No. 3. Thereafter, testing shall occur on a calendar year basis, (no less than 9 calendar months and no more than 15 calendar months following the previous performance test for Particulate Matter, NO_x, Carbon Monoxide, Lead, Mercury, SO₂, Opacity and Dioxins/Furans. Five performance tests must be completed in each 5-year calendar period).

The owner or operator shall conduct a performance test for Hydrogen Chloride emissions on an annual basis (no more than 12 calendar months following the previous performance test).

Compliance with the VOC limit shall be demonstrated by compliance with the Carbon Monoxide limit in lieu of stack testing, but should the Department feel the VOC limit is not being met, a special compliance test could be required.

The required tests shall be performed using the following EPA test methods contained in 40 CFR 60, Appendix A and in accordance with Rule 62-297, F.A.C.:

2nd Permit Being Modified: Permit No. 0990234-015-AC/PSD-FL-108H
Affected Emissions Units: Municipal Solid Waste Boiler Nos. 1 and 2 (E.U. ID Nos. 001 & 002)

The affected Specific Condition Nos. III.A.11.; III.A.16.; and, III.A.17.b. in Permit No. 0990234-015-AC/PSD-FL-108H are hereby changed as follows (the remainder of the permit remains unchanged as a result of this permitting action) The activated carbon silo shall be included in the Title V permit revision as an insignificant emissions unit:

Specific Condition No. III.A.11.

A.11. Activated Carbon Silo Baghouse: Reserved. Visible emissions from the baghouse vent on the activated carbon silo shall not exceed 5% opacity as determined by EPA Method 9. [Rules 62-4.070(3) and 62-297.620(4), F.A.C.]

Specific Condition No. III.A.16.

A.16. Activated Carbon Silo Baghouse: Reserved. In accordance with EPA Method 9, the permittee shall conduct initial and annual compliance tests to demonstrate compliance with the visible emissions standard. Initial tests shall be conducted when the activated carbon silo is initially loaded. Annual tests shall be

SECTION 2. PERMIT REVISIONS

~~conducted during each fiscal year (October 1st to September 30th). Each test shall be conducted for at least 30 minutes or for the complete loading cycle if less than 30 minutes. The permittee shall notify the Compliance Authority at least 15 days prior to the schedule compliance test date. Test reports shall be submitted within 45 days of completing the test. In addition to the information required in Rule 62-297.310(8), F.A.C., each test report shall include the activated carbon loading rate, the total amount of activated loaded and the line pressure for pneumatic loading. [Rules 64-4.070(3), 62-297.310(7) and 62-297.310(8), F.A.C.]~~

Specific Condition No. III.A.17.b.

A.17. MSWC Units 1 and 2: The permittee shall conduct initial compliance test on MSWC units 1 and 2 using the test methods and procedures described in the current Title V air operation permit.

- a. Within 60 days of completing construction of each new combustion control system, OFA system, ACI system and fabric filter system for a MSWC unit, the permittee shall conduct stack tests to determine compliance with the cadmium, dioxin/furan, hydrochloric acid, lead, mercury, PM, and VOC emissions standards in the current Title V air operation permit. Subsequent compliance tests shall be conducted in accordance with the frequencies specified in the current Title V air operation permit.
- b. Within 60 days of completing construction of each new SNCR system for a MSWC unit, the permittee shall conduct performance tests to determine ammonia slip emissions in accordance with EPA method CTM-027 or EPA Method 320 or other methods approved by the Department. ~~Subsequent performance tests to determine ammonia slip emissions shall be conducted during each federal fiscal year (October 1st to September 30th).~~
- c. Compliance tests for beryllium and fluorides may be conducted at the next regularly scheduled test deadline as specified in the current Title V air operation permit.
- d. Compliance with the emissions standards for CO, NO_x, and SO₂ shall be demonstrated by data collected from the required CEMS.
- e. Compliance with the opacity standards shall be demonstrated by data collected from the required COMS [Rule 62-4.070(3), F.A.C. and Permit No. 0990234-013-AV]

Friday, Barbara

From: Friday, Barbara
Sent: Monday, November 21, 2011 1:38 PM
To: 'mhammond@swa.org'
Cc: 'Marybeth Morrison'; 'christopher.tilman@arcadis-us.com'; Anderson, Lennon; 'james_stormer@doh.state.fl.us'; Mulkey, Cindy; 'ceron.heather@epa.gov'; 'forney.kathleen@epamail.epa.gov'; 'oquendo.ana@epa.gov'; Scarce, Lynn; Arif, Syed; Svec, Ed
Subject: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV
Attachments: 0990234-021-AC-022-AVSignedWrittenNoticeofIntent.pdf

Tracking:	Recipient	Delivery
	✓ 'mhammond@swa.org'	
	✓ 'Marybeth Morrison'	
	✓ 'christopher.tilman@arcadis-us.com'	
	Anderson, Lennon	Delivered: 11/21/2011 1:39 PM
	✓ 'james_stormer@doh.state.fl.us'	
	✓ Mulkey, Cindy	Delivered: 11/21/2011 1:39 PM
	'ceron.heather@epa.gov'	
	'forney.kathleen@epamail.epa.gov'	
	'oquendo.ana@epa.gov'	
	✓ Scarce, Lynn	Delivered: 11/21/2011 1:39 PM
	✓ Arif, Syed	Delivered: 11/21/2011 1:39 PM
	✓ Svec, Ed	Delivered: 11/21/2011 1:39 PM

Dear Mr. Hammond:

Attached is the official **Notice of Draft/Proposed 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: Ed Svec

Owner/Company Name: SOLID WASTE AUTHORITY OF PBC
Facility Name: SOLID WASTE AUTHORITY OF PBC/NCRRF
Project Number: 0990234-021-A/PSD-FL-108J – 0990234-022-AV
Permit Status: DRAFT/PROPOSED TITLE V REVISION
Permit Activity: DRAFT CONSTRUCTION REVISION
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/0990234.021.AC.D_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/0990234.022.AV.D_pdf.zip

Friday, Barbara

From: Mark Hammond [mhammond@swa.org]
Sent: Monday, November 28, 2011 8:14 AM
To: Friday, Barbara
Subject: RE: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

I have received and viewed the documents.

Thank you,
Mark Hammond

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Monday, November 21, 2011 1:38 PM
To: Mark Hammond
Cc: Marybeth Morrison; 'christopher.tilman@arcadis-us.com'; Anderson, Lennon; 'james_stormer@doh.state.fl.us'; Mulkey, Cindy; 'ceron.heather@epa.gov'; 'forney.kathleen@epamail.epa.gov'; 'oquendo.ana@epa.gov'; Searce, Lynn; Arif, Syed; Svec, Ed
Subject: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Dear Mr. Hammond:

Attached is the official **Notice of Draft/Proposed 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: Ed Svec

Owner/Company Name: SOLID WASTE AUTHORITY OF PBC
Facility Name: SOLID WASTE AUTHORITY OF PBC/NCRRF
Project Number: 0990234-021-A/PSD-FL-108J – 0990234-022-AV
Permit Status: DRAFT/PROPOSED TITLE V REVISION
Permit Activity: DRAFT CONSTRUCTION REVISION
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/0990234.021.AC.D_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/0990234.022.AV.D_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

Friday, Barbara

From: Microsoft Exchange
To: 'christopher.tilman@arcadis-us.com'
Sent: Monday, November 21, 2011 1:39 PM
Subject: Relayed: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

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

'christopher.tilman@arcadis-us.com'

Subject: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Sent by Microsoft Exchange Server 2007

Friday, Barbara

From: Tilman, Christopher [Christopher.Tilman@arcadis-us.com]
Sent: Monday, November 21, 2011 2:08 PM
To: Friday, Barbara
Subject: Read: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY
RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV
Attachments: Read: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY
RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

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Friday, Barbara

From: Microsoft Exchange
To: 'james_stormer@doh.state.fl.us'
Sent: Monday, November 21, 2011 1:39 PM
Subject: Relayed: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

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

'james_stormer@doh.state.fl.us'

Subject: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Sent by Microsoft Exchange Server 2007

Friday, Barbara

From: James_Stormer@doh.state.fl.us
To: Friday, Barbara
Sent: Monday, November 21, 2011 1:47 PM
Subject: Read: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY
RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Your message was read on Monday, November 21, 2011 1:46:53 PM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Microsoft Exchange
To: Mulkey, Cindy; Searce, Lynn; Anderson, Lennon
Sent: Monday, November 21, 2011 1:39 PM
Subject: Delivered: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Your message has been delivered to the following recipients:

Mulkey, Cindy

Searce, Lynn

Anderson, Lennon

Subject: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Sent by Microsoft Exchange Server 2007

Friday, Barbara

From: Mulkey, Cindy
To: Friday, Barbara
Sent: Monday, November 21, 2011 1:47 PM
Subject: Read: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY
RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Your message was read on Monday, November 21, 2011 1:47:19 PM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Scearce, Lynn
To: Friday, Barbara
Sent: Monday, November 21, 2011 1:40 PM
Subject: Read: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY
RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Your message was read on Monday, November 21, 2011 1:39:46 PM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Microsoft Exchange
To: Arif, Syed; Svec, Ed
Sent: Monday, November 21, 2011 1:39 PM
Subject: Delivered: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY
RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Your message has been delivered to the following recipients:

Arif, Syed

Svec, Ed

Subject: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY RESOURCE RECOVERY FACILITY;
0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Sent by Microsoft Exchange Server 2007

Friday, Barbara

From: Arif, Syed
To: Friday, Barbara
Sent: Monday, November 21, 2011 1:43 PM
Subject: Read: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY
RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Your message was read on Monday, November 21, 2011 1:43:12 PM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Svec, Ed
To: Friday, Barbara
Sent: Monday, November 21, 2011 1:45 PM
Subject: Read: SOLID WASTE AUTHORITY OF PALM BEACH COUNTY/NORTH COUNTY
RESOURCE RECOVERY FACILITY; 0990234-021-AC/PSD-FL-108J - 0990234-022-AV

Your message was read on Monday, November 21, 2011 1:44:37 PM (GMT-05:00) Eastern Time (US & Canada).

P.E. CERTIFICATION STATEMENT

APPLICANT

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

Draft Permit No. 0990234-021-AC/PSD-FL-108J

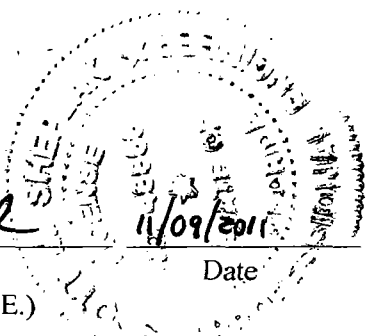
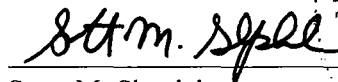
PROJECT TYPE: Air Construction Permit Revision (Revises Permit No. 0990234-015-AC/PSD-FL-108H and PSD-FL-108A)

PROJECT DESCRIPTION

This project is for an air construction (AC)/Prevention of Significant Deterioration (PSD) permit revision.

This project is subject to the general preconstruction review requirements in Rule 62-212.300, Florida Administrative Code (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 PSD of Air Quality. The Department's full review of the project and rationale for issuing the draft air construction permit revision is provided in the Technical Evaluation and Preliminary Determination.

***I HEREBY CERTIFY** that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes (F.S.), and F.A.C. Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify any other aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, civil, mechanical, structural, hydrological, geological, and meteorological features). My licensed area of practice as a professional engineer under Chapter 471, F.S. is environmental (air pollution) engineering.*



Scott M. Sheplak
Professional Engineer (P.E.)
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