

Harvey, Mary

From: Harvey, Mary
Sent: Friday, August 17, 2007 12:54 PM
To: 'kbw@miami-dade.gov'; 'tom.morello@veoliaes.com'; 'le1@miamidade.gov';
'dbuff@golder.com'; Hoefert, Lee; 'wongp@miamidade.gov'; 'anetha.lue@veoliaes.com'
Cc: Cascio, Tom; Linero, Alvaro; Adams, Patty; Gibson, Victoria
Subject: Draft Air Construction Permit #0250348-008-AC-DRAFT
Attachments: RICHARDSON-MORELLO-PROJECT #0250348-008-AC-DRAFT.zip

Tracking:	Recipient	Delivery	Read
	'kbw@miami-dade.gov'		
	✓ 'tom.morello@veoliaes.com'		
	'le1@miamidade.gov'		
	✓ 'dbuff@golder.com'		
	✓ Hoefert, Lee	Delivered: 8/17/2007 12:54 PM	Read: 8/17/2007 1:30 PM
	✓ 'wongp@miamidade.gov'		
	'anetha.lue@veoliaes.com'		
	✓ Cascio, Tom	Delivered: 8/17/2007 12:54 PM	Read: 8/20/2007 8:01 AM
	✓ Linero, Alvaro	Delivered: 8/17/2007 12:54 PM	Read: 8/17/2007 1:10 PM
	✓ Adams, Patty	Delivered: 8/17/2007 12:54 PM	Read: 8/17/2007 1:48 PM
	Gibson, Victoria	Delivered: 8/17/2007 12:54 PM	Read: 8/17/2007 12:54 PM

Dear Sir/Madam:

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

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

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

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

Thank you,

8/21/2007

Harvey, Mary

From: Casey, Lee (SWM) [le1@miamidade.gov]
To: Harvey, Mary
Sent: Friday, August 17, 2007 1:30 PM
Subject: Read: Draft Air Construction Permit #0250348-008-AC-DRAFT

Your message

To: le1@miamidade.gov
Subject:

was read on 8/17/2007 1:30 PM.

Harvey, Mary

From: Hoefert, Lee
To: Harvey, Mary
Sent: Friday, August 17, 2007 1:30 PM
Subject: Read: Draft Air Construction Permit #0250348-008-AC-DRAFT

Your message

To: 'kbw@miami-dade.gov'; 'tom.moreello@veoliaes.com'; 'le1@miamidade.gov'; 'dbuff@golder.com'; Hoefert, Lee;
'wongp@miamidade.gov'; 'anetha.lue@veoliaes.com'
Cc: Cascio, Tom; Linero, Alvaro; Adams, Patty; Gibson, Victoria
Subject: Draft Air Construction Permit #0250348-008-AC-DRAFT
Sent: 8/17/2007 12:54 PM

was read on 8/17/2007 1:30 PM.

Harvey, Mary

From: Cascio, Tom
To: Harvey, Mary
Sent: Monday, August 20, 2007 8:01 AM
Subject: Read: Draft Air Construction Permit #0250348-008-AC-DRAFT

Your message

To: 'kbw@miami-dade.gov'; 'tom.morello@veoliaes.com'; 'le1@miamidade.gov'; 'dbuff@golder.com'; Hoefert, Lee;
'wongp@miamidade.gov'; 'anetha.lue@veoliaes.com'
Cc: Cascio, Tom; Linero, Alvaro; Adams, Patty; Gibson, Victoria
Subject: Draft Air Construction Permit #0250348-008-AC-DRAFT
Sent: 8/17/2007 12:54 PM

was read on 8/20/2007 8:01 AM.

Harvey, Mary

From: Tom.Morello@veoliaes.com
Sent: Friday, August 17, 2007 1:22 PM
To: Harvey, Mary
Subject: Re: Draft Air Construction Permit #0250348-008-AC-DRAFT
Attachments: RICHARDSON-MORELLO-PROJECT #0250348-008-AC-DRAFT.zip

Received. Thank you.

Tom Morello
Facility Manager
Veolia ES Waste-to-Energy, Inc.
tom.morello@veoliaes.com
Office Phone: 305-593-7209
Mobile: 305-522-1641
Office Fax: 305-593-7274

This e-mail message from Veolia ES Waste-to-Energy, Inc. is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please communicate with the sender by reply e-mail and destroy all copies of the original message and delete same from all computers.

"Harvey, Mary" <Mary.Harvey@dep.state.fl.us>

08/17/2007 12:52 PM

To <kbw@miami-dade.gov>, <tom.morello@veoliaes.com>,
<le1@miamidade.gov>, <dbuff@golder.com>, "Hoefert, Lee"
<Lee.Hoefert@dep.state.fl.us>, <wongp@miamidade.gov>,
<anetha.lue@veoliaes.com>
cc "Cascio, Tom" <Tom.Cascio@dep.state.fl.us>, "Linero, Alvaro"
<Alvaro.Linero@dep.state.fl.us>, "Adams, Patty"
<Patty.Adams@dep.state.fl.us>, "Gibson, Victoria"
<Victoria.Gibson@dep.state.fl.us>

Subject Draft Air Construction Permit #0250348-008-AC-DRAFT

Dear Sir/Madam:

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

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

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<http://www.adobe.com/products/acrobat/readstep.html>.

8/17/2007

Harvey, Mary

From: Adams, Patty
To: Harvey, Mary
Sent: Friday, August 17, 2007 1:48 PM
Subject: Read: Draft Air Construction Permit #0250348-008-AC-DRAFT

Your message

To: 'kbw@miami-dade.gov'; 'tom.moreello@veoliaes.com'; 'le1@miamidade.gov'; 'dbuff@golder.com'; Hoefert, Lee; 'wongp@miamidade.gov'; 'anetha.lue@veoliaes.com'
Cc: Cascio, Tom; Linero, Alvaro; Adams, Patty; Gibson, Victoria
Subject: Draft Air Construction Permit #0250348-008-AC-DRAFT
Sent: 8/17/2007 12:54 PM

was read on 8/17/2007 1:48 PM.

Harvey, Mary

From: Wong, Patrick (DERM) [WongP@miamidade.gov]
To: Harvey, Mary
Sent: Friday, August 17, 2007 12:56 PM
Subject: Read: Draft Air Construction Permit #0250348-008-AC-DRAFT

Your message

To: WongP@miamidade.gov
Subject:

was read on 8/17/2007 12:56 PM.

Harvey, Mary

From: Linero, Alvaro
To: Harvey, Mary
Sent: Friday, August 17, 2007 1:10 PM
Subject: Read: Draft Air Construction Permit #0250348-008-AC-DRAFT

Your message

To: 'kbw@miami-dade.gov'; 'tom.moreello@veoliaes.com'; 'le1@miamidade.gov'; 'dbuff@golder.com'; Hoefert, Lee;
'wongp@miamidade.gov'; 'anetha.lue@veoliaes.com'
Cc: Cascio, Tom; Linero, Alvaro; Adams, Patty; Gibson, Victoria
Subject: Draft Air Construction Permit #0250348-008-AC-DRAFT
Sent: 8/17/2007 12:54 PM

was read on 8/17/2007 1:10 PM.

Harvey, Mary

From: Buff, Dave [DBuff@GOLDER.com]
To: undisclosed-recipients
Sent: Friday, August 17, 2007 1:28 PM
Subject: Read: Draft Air Construction Permit #0250348-008-AC-DRAFT

Your message

To: DBuff@GOLDER.com
Subject:

was read on 8/17/2007 1:28 PM.

MEMORANDUM

To: ~~Trina Vielhauer~~ *ay*
Through: A. A. Linero *AA Linero*
From: Tom Cascio
Date: August 16, 2007
Subject: Draft Air Construction Permit No. 0250348-008-AC
Miami-Dade County Resource Recovery Facility

Good work Al.
Scott
8/17

Attached is the public notice package for an air construction permit to amend the CO limit for the four municipal waste combustors at the Miami-Dade Resource Recovery Facility (MDRRF). The past NSPS Subpart Cb limit of 200 ppm for MWCs such as the ones at MDRRF was increased to 250 ppm by EPA and incorporated by reference into our own rules.

According to the calculations submitted by the applicant, the CO increase will be approximately 41 tons per year on the basis of baseline actual emissions compared to future actual emissions.

Day 90 will be August 31, 2007.

We recommend your approval of the public notice package.



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

August 17, 2007

Electronic Mail – Received Receipt Requested

kbw@miami-dade.gov

Ms. Kathleen Woods-Richardson, Director
Miami-Dade County Department of
Solid Waste Management (DSWM)
2525 Northwest 62nd Street, 5th Floor
Miami, Florida 33147

tom.morello@veoliaes.com

Mr. Tom Morello, Facility Manager
Miami-Dade County Resource Recovery Facility
Veolia Environmental Services
6990 Northwest 97th Avenue
Miami, Florida 33178

Re: Draft Air Construction Permit No. 0250348-008-AC
Modification of Carbon Monoxide Emissions Limit
Miami-Dade County Resource Recovery Facility

Dear Ms. Woods-Richardson and Mr. Morello:

Enclosed is one copy of the draft air construction permit to increase the carbon monoxide limit applicable to the Miami-Dade County Resource Recovery Facility, located at 6990 Northwest 97th Avenue, Miami-Dade County. The Department's Intent to Issue Air Construction Permit, the Technical Evaluation and Preliminary Determination, and the Public Notice of Intent to Issue Air Construction Permit are also included.

The Public Notice must be published one time only as soon as possible in a newspaper of general circulation in the area affected, pursuant to the requirements of Chapter 50, Florida Statutes. Proof of publication, such as a newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in denial of the permit modification.

Please submit any written comments you wish to have considered concerning the Department's proposed action to A. A. Linero, P.E., Program Administrator at the above letterhead address. If you have any other questions, please contact Tom Cascio, at 850/921-9526.

Sincerely,

For: Trina L. Vielhauer, Chief
Bureau of Air Regulation

Enclosures

TLV/aal/tbc

In the Matter of an
Application for an Air Construction Permit by:

Miami-Dade County Department of
Solid Waste Management
2525 Northwest 62nd Street, 5th Floor
Miami, Florida 33147

DEP File No. 0250348-008-AC
PSD-FL-006(F)
Miami-Dade County Resource Recovery Facility
Carbon Monoxide (CO) Emission Limit

INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT

The Department of Environmental Protection (Department) gives notice of its intent to issue an Air Construction Permit (copy of the Draft Air Construction Permit attached) for the Title V source detailed in the application specified above and the attached Technical Evaluation and Preliminary Determination, for the reasons stated below.

The applicant, Miami-Dade County Department of Solid Waste Management (the County) through its contractor, Veolia Environmental Services (Veolia ES), applied on March 30, 2005 to the Department for an air construction permit for the Miami-Dade Resource Recovery Facility, located at 6990 Northwest 97th Avenue, Medley, Florida.

The air construction permit will increase the CO limit applicable to the facility from 200 to 250 parts per million by volume, dry basis and corrected to 7 percent oxygen concentration. The revised limit is consistent with a recent change in 40 Code of Federal Regulations 60, Subpart Cb that specifically addressed the CO limits for municipal waste combustors of the type operated by Veolia ES for the County.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures. Department has determined that an air construction permit is required.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Construction Permit. The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, publication in a "newspaper of general circulation in the area affected" means publication in a newspaper meeting 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 Department at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/921-9533). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5) & (9), F.A.C. No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in

section 50.051, F.S. to the office of the Department issuing the permit. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 days from the date of publication of the enclosed Public Notice. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If comments received result in a change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57, F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. 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 within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen 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 Department'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 the petitioner received notice of the agency 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 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 Department'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 Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. Mediation is not available in this proceeding.

Executed in Tallahassee, Florida.



For: Trina L. Vielhauer, Chief
Bureau of Air Regulation

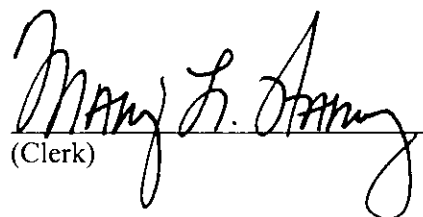
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Technical Evaluation and Preliminary Determination, Draft Air Construction Permit, Intent to Issue an Air Construction Permit, and Public Notice of Intent to Issue an Air Construction Permit, and all copies were sent electronically (with Received Receipt) before the close of business on **August 17, 2007** to the person(s) listed below.

Kathleen Woods-Richardson, Miami-Dade DSWM: kbw@miami-dade.gov
Tom Morello, Veolia Environmental Services: tom.morello@veoliaes.com
Lee S. Casey, Miami-Dade DSWM: lel@miamidade.gov
David Buff, P.E., Golder Associates, Inc. dbuff@golder.com
Lee Hoefert, P.E., Southeast District Office: lee.hoefert@dep.state.fl.us
H. Patrick Wong, Miami-Dade DERM: wongp@miamidade.gov
Anetha Lue, P.E., Veolia Environmental Services: anetha.lue@veoliaes.com

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)

8/17/07
(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP File No. 0250348-008-AC

Miami-Dade County Resource Recovery Facility
Miami-Dade County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to the Miami-Dade County Department of Solid Waste Management (the County), for the Miami-Dade County Resource Recovery Facility. A review pursuant to the rules for the Prevention of Significant Deterioration (PSD) and a determination of best available control technology (BACT) were not required. The authorized representative's name and the facility address are: Mr. Tom Morello, Facility Manager, Veolia Environmental Services, 6990 Northwest 97th Avenue, Miami, Florida 33178.

The air construction permit implements a request to increase the carbon dioxide (CO) limit applicable to the municipal waste combustors (MWCs) at the facility from 200 to 250 parts per million by volume, dry and at 7 percent oxygen (ppmvd). The change is consistent with a recent modification by the Environmental Protection Agency of the rule applicable to the type of MWCs operated by Veolia Environmental Services for the County.

The specific rule is 40 Code of Federal Regulations, Subpart Cb – Emissions Guidelines and Compliance Plans for Large Municipal Waste Combustors That are Constructed Before September 20, 1994. The category of MWC affected by the change is "semi-suspension refuse-derived fuel-fired combustor/wet refuse-derived fuel process conversion".

The applicant estimates that CO emissions due to the change will increase by 41 tons per year (TPY). Because the increase is less than 100 TPY, a review under the PSD rules and a BACT determination are not required.

The Department will issue the Final Air Construction Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments and requests for a public meeting concerning the proposed permit issuance action for a period of 14 days from the date of publication of this Public Notice of Intent to Issue Air Construction Permit. Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 of the Florida Statutes (F.S.), before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below. Mediation is not available in this proceeding.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice

Notice to be published in the newspaper

under section 120.60(3), F.S., must be filed within 14 days of publication of the public notice or within 14 days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), F.S., however, any person who asked the Department 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 of the Florida Administrative Code (F.A.C.).

A petition that disputes the material facts on which the Department'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 how and when petitioner received notice of the agency 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 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 Department'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 Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Florida Department of Environmental Protection Bureau of Air Regulation 111 S. Magnolia Drive, Suite 4 Tallahassee, Florida 32301 Telephone: 850/488-0114 Fax: 850/921-9533	Florida Department of Environmental Protection Southeast District Office 400 North Congress Avenue West Palm Beach, Florida 33401 Telephone: 561/681-6600 Fax: 561/681-6755	Miami-Dade Department of Environmental Resources Mgt. Air Quality Division 701 Northwest 1 st Ct., Suite 400 Miami Florida 33136 Telephone: 305/372-6925 Fax: 305/372-6954
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The complete project file includes the permit application, draft air construction permit, technical evaluation, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Department's reviewing engineer for this project, Tom Cascio at MS 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, or Tom.Cascio@dep.state.fl.us, or call 850/921-9526 for additional information.

Notice to be published in the newspaper

TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION

Miami-Dade County Department of Solid Waste Management

Miami-Dade County Resource Recovery Facility
Miami-Dade County

Increase in Carbon Monoxide Emission Limit

DEP File No. 0250348-008-AC

Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation
Permitting South Section

August 17, 2007

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

1.0. GENERAL INFORMATION

1.1. APPLICANT NAME AND ADDRESS

Miami-Dade County Department of Solid Waste Management
2525 Northwest 62nd Street, 5th Floor
Miami, Florida 33147

Responsible Official: Mr. Tom Morello, Facility Manager, Veolia Environmental Services

1.2. REVIEW AND PROCESS SCHEDULE

March 30, 2005	Permit application received
October 19, 2006	Application deemed complete (Awaited adoption of rule by Department)
August 17, 2007	Distributed Intent to Issue package

2.0. FACILITY INFORMATION

The facility is located at 6990 Northwest 97th Avenue, Miami, Florida 33178-6430, better described as approximately 0.5 mile north of Northwest 58th Street immediately west of Northwest 97th Avenue, Miami, Miami-Dade County. UTM Coordinates: Zone 17, 564.30 km East and 2857.40 km North; Latitude: 25° 50' 06" North and Longitude: 80° 21' 30" West.

SIC codes are:

Industry Group No.	49	Electric, Gas and Sanitary Services
Industry No.	4953	Refuse Systems

The Miami-Dade County Resource Recovery Facility (the facility) consists of four identical Zurn Refuse Derived Fuel (RDF) Spreader Stoker Combustion Units 1 thru 4, with auxiliary burners, and a cooling tower. The existing four RDF boilers were rebuilt in 1987-1989. The facility's primary activities are: garbage and trash receiving and processing (including a metals recovery system); fuel handling and storage; biomass production and export; RDF, natural gas, and propane combustion; ash storage and processing, including a monofill ash landfill; and maintaining ancillary support equipment.

During the 1990s, the facility upgraded air pollution control systems. The modifications included changes to the overfire air systems, fuel feed systems, and associated fuel distribution systems. The electrostatic precipitators were replaced with fabric filters, spray dryer absorbers and activated carbon injection units. Selective non-catalytic reduction systems were also installed.

The facility is designed to process 3,000 tons/day, 18,000 tons/wk, and 936,000 tons/yr of municipal solid waste (MSW), i.e., trash and garbage, into RDF and saleable extractables (e.g., metals). The biomass fuel preparation system processes up to 400,000 tons per year of the bulky solid waste into biomass, which is either transported off-site for use in biomass-fired cogeneration units, or combusted on-site.

This facility is classified as a Major or Title V Source of air pollution because emissions of at least one regulated air pollutant, such as particulate matter (PM/PM₁₀), sulfur dioxide (SO₂), nitrogen oxides (NO_x), carbon monoxide (CO), or volatile organic compounds (VOC) exceeds 100 tons per year (TPY).

3.0. PROJECT DESCRIPTION

The applicant proposes to increase the applicable short term carbon monoxide (CO) limit from 200 to 250 parts per million by volume, dry basis, and corrected to 7 percent oxygen (ppmvd).

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

4.0. PROJECT EMISSIONS & RULE APPLICABILITY

The original value of 200 ppmvd was set in an enforceable permit in 1994 pursuant to a New Source Performance Standard that was subsequently replaced withdrawn. The subsequent rule was published in 1995 at 40 Code of Federal Regulations Part 60, Subpart Cb - Emissions Guidelines and Compliance Plans for Large Municipal Waste Combustors That are Constructed Before September 20, 1994. It carried over the same 200 ppmvd requirement as the predecessor rule that was known as "Subpart Ca"...

On May 10, 2006 the Environmental Protection Agency (EPA) modified the CO emissions limits in Subpart Cb to 250 ppmvd to specifically address the type of RDF units at the facility. The changes apply to:

Combustion units that were converted from a wet refuse-derived fuel process to a dry refuse-derived fuel process, and because of constraints in the design of the system, include a low furnace height (less than 60 feet between the grate and the roof) and a high waste capacity-to-undergrate air zone ratio (greater than 300 tons of waste per day (tpd) fuel per each undergrate air zone).

This change was adopted by reference by the Department of Environmental Protection (Department) on May 31, 2007 into its rules at Section 62-204.800, Florida Administrative Code (F.A.C.).

The applicant estimated emissions from the facility in recent years and selected the years 2003-2004 for calculations of baseline actual emission of CO. The applicant also estimated emissions into future years for comparison with the baseline actual emissions. The basis for the table was the annual operating report (AOR) that in turn is based on continuous emissions monitoring system (CEMS) CO emissions records maintained by the applicant. Total CO emissions are expected to increase by 41 TPY as a result of the change in the limit.

Baseline Actual CO Emissions, in TPY (adjusted for PSD definitions)					
	Unit 1	Unit 2	Unit 3	Unit 4	Total
2003	129.2	127.2	125.0	141.0	522.4
2004	115.7	98.2	98.6	137.5	450.0
Average	122.5	112.7	111.8	139.3	486.2
Future Actual CO Emissions, in TPY (adjusted for PSD definitions)					
Average	135.7	125.8	116.6	149.5	527.2
Net Emission Increase, in TPY (future actual CO emissions – past baseline actual emissions)					
Average	13.2	13.1	4.8	10.2	41.0

This change constitutes a minor modification to the facility because the CO emission increase is less than 100 TPY. Therefore, the change is not subject to review under Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) and a best available control technology (BACT) determination is not required.

The previous limit of 200 ppmvd was contained in a modification of an earlier PSD permit that did not address CO emissions. The selected value was based on the since withdrawn Subpart Ca and the since revised Subpart Cb. The revised value of 250 ppmvd based on the most recent version of Subpart Cb is not a BACT determination. For reference, the facility will continue to comply with an annual limit of 267.7 TPY of CO per unit that is a requirement of previous construction permits and the facility Title V Air Operation Permit.

PERMITTEE

Miami-Dade County Department of
Solid Waste Management
2525 Northwest 62nd Street, 5th Floor
Miami, Florida 33147

Authorized Representative:

Mr. Tom Morello, Facility Manager
Veolia Environmental Services

DEP File No. 0250348-008-AC (PSD-FL-008F)
Miami-Dade County Resource Recovery Facility
Facility ID No. 0250348
SIC No. 4953
Carbon Monoxide Emissions Limit
Permit Expires: March 31, 2008

PROJECT AND LOCATION

This permit authorizes the increase of carbon monoxide (CO) emissions from the four refuse derived fuel (RDF) spreader stoker combustors at the Miami-Dade County Resource Recovery Facility located at 6990 Northwest 97th Avenue, Miami, Florida.

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.) and Title 40, Parts 60 and 63 of the Code of Federal Regulations (CFR). The permittee is authorized to operate the equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

CONTENTS

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Units Specific Conditions
- Section 4. Appendices

Joseph Kahn, Director
Division of Air Resource
Management

(Date)

JK/tlv/aal/tbc

SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

The Miami-Dade County Department of Solid Waste Management is the permittee for the Miami-Dade County Resource Recovery Facility. The facility is operated for the permittee by Veolia Environmental Services.

The plant consists of four identical Zurn Refuse Derived Fuel (RDF) Spreader Stoker Combustion Units 1 thru 4, with auxiliary burners, and a cooling tower. The facility's primary activities are: garbage and trash receiving and processing (including a metals recovery system); fuel handling and storage; biomass production and export; refuse derived fuel (RDF), natural gas, and propane combustion; ash storage and processing, including a monofill ash landfill; and maintaining ancillary support equipment.

The facility previously upgraded its air pollution control system pursuant to the requirements of 40 Code of Federal Regulations (CFR) 60, Subpart Cb - Emissions Guidelines and Compliance Schedules for Municipal Waste Combustors That Are Constructed on or Before September 20, 1994. Those modifications included changes to the overfire air system, fuel feed system, and associated fuel distribution system. The electrostatic precipitators were replaced with fabric filters, spray dryer, absorbers and activated carbon injection units. A selective non-catalytic reduction system was also installed.

The mentioned Subpart Cb was revised on May 10, 2006 by the United States Environmental Protection Agency. One of the changes in the revised Subpart Cb increases the carbon monoxide (CO) emission limit from 200 to 250 parts per million by volume, dry basis, and at 7 percent oxygen (ppmvd @7% O₂). The class of combustors affected by the CO rule is semi-suspension refuse-derived fuel-fired combustor/wet refuse-derived fuel process conversion.

This permit implements the change and establishes it as an applicable requirement to be incorporated in the facility Title V air operation permit.

ID	Emission Unit Description
001	RDF Spreader Stoker Combustor & Auxiliary Burners
002	RDF Spreader Stoker Combustor & Auxiliary Burners
003	RDF Spreader Stoker Combustor & Auxiliary Burners
004	RDF Spreader Stoker Combustor & Auxiliary Burners

REGULATORY CLASSIFICATION

The facility is a major source of hazardous air pollutants (HAP).

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 (PSD-major source) in accordance with Rule 62-212.400, F.A.C.

The facility operates units subject to the Standards of Performance for New Stationary Sources pursuant to 40 Code of Federal Regulations (CFR) Part 60.

Units 1, 2, 3 and 4 are not subject to the National Emissions Standards for Hazardous Air Pollutants pursuant to 40 CFR Part 63.

The facility was certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

SECTION 1. GENERAL INFORMATION

RELEVANT DOCUMENTS

The following relevant documents are not a part of this permit, but helped form the basis for this permitting action: the permit application and additional information received to make it complete; and the Department's Technical Evaluation and Preliminary Determination.

DRAFT

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The Permitting Authority for this project is the Bureau of Air Regulation in the Division of Air Resource Management of the Department. The mailing address for the Bureau of Air Regulation is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southeast District Office. The mailing address and phone number of the Southeast District Office is: 400 North Congress Avenue, West Palm Beach, Florida 33401; (561)681-6600 and (561)681-6755 (fax).
3. Appendices: The following Appendix is attached as part of this permit: Appendix GC (General Conditions).
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: No emissions unit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Title V Permit: This permit authorizes specific modifications and/or new construction on the affected emissions units as well as initial operation to determine compliance with conditions of this permit. A Title V operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after completing the required work and commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the Bureau of Air Regulation with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, and Chapter 62-213, F.A.C.]

SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

EMISSIONS UNITS SPECIFIC CONDITIONS

1. General Conditions: The owner and operator are subject to, and shall operate under the attached General Permit Conditions listed in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [Rule 62-4.160, F.A.C.]

APPLICABLE STANDARDS AND REGULATIONS

2. Unless otherwise indicated in this permit, the construction and operation of the subject emission unit(s) shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S., and Florida Administrative Code Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297.
3. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements or regulations. [Rule 62-210.300, F.A.C.]
4. The facility is subject to all of the requirements specified in Title V Air Operation Permit No. 0250348-005-AV except for the CO limit as referenced below.

EMISSION LIMITS AND STANDARDS

5. Carbon Monoxide (CO): The emission limits for CO contained in the gases discharged to the atmosphere per emissions unit are 250 parts per million by volume, measured at the combustor outlet in conjunction with a measurement of oxygen concentration, corrected to 7 percent O₂, dry basis (ppmvd), calculated as a 24-hour block average, geometric mean, and 267.7 tons/yr.

[Applicant Request; 40 CFR 60.34b(a) (revision of May 10, 2006)]

{Permit Note: this action affects the previous limit of 200 ppmvd given in Specific Condition 1.A.(CO) of permit PSD-FL-006(D) and Specific Condition B.36 of the facility Title V Operation Permit No. 0250348-005-AV.}

OTHER REQUIREMENTS

6. CO Compliance: Refer to the Title V Operation Permit and to 40 CFR 60, Subpart Cb for the requirements and procedures related to compliance, continuous emissions monitoring system, excess emissions and recordkeeping for all pollutants including CO.

SECTION 4. APPENDIX GC – GENERAL CONDITIONS

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
 2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
 3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
 4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
 5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
 6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
 7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
 - a. Have access to and copy and records that must be kept under the conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
- Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of non-compliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

SECTION 4. APPENDIX GC – GENERAL CONDITIONS

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - a. Determination of Best Available Control Technology (not applicable to project);
 - b. Determination of Prevention of Significant Deterioration (not applicable to project); and
 - c. Compliance with New Source Performance Standards (CO limit).
14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - 1) The date, exact place, and time of sampling or measurements;
 - 2) The person responsible for performing the sampling or measurements;
 - 3) The dates analyses were performed;
 - 4) The person responsible for performing the analyses;
 - 5) The analytical techniques or methods used; and
 - 6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.