

Memorandum

Florida Department of Environmental Protection

TO: Trina Vielhauer, Bureau of Air Regulation
THROUGH: Jon Holtom, Title V Section *JH*
FROM: Tom Cascio *Tom*
DATE: December 17, 2010
SUBJECT: Revised Draft/Proposed Permit Renewal No. 0112119-015-AV
Wheelabrator South Broward, Inc., South Broward Waste-to-Energy Facility
Draft/Proposed Permit Renewal No. 0112120-010-AV
Wheelabrator North Broward, Inc., North Broward Waste-to-Energy Facility

Attached for your review are the following items:

- Written Notices of Intent to Issue Air Permit (two documents);
- Public Notice of Intent to Issue Air Permits;
- Statement of Basis;
- Revised draft/proposed Title V air operation permit renewal;
- Draft/proposed Title V air operation permit renewal; and,
- P.E. Certifications.

This permitting action is to revise the previously issued Title V air operation permit for the South Broward Waste-to-Energy Facility and to renew the Title V air operation permit for the North Broward Waste-to-Energy Facility. The Statement of Basis provides a summary of the project and the rationale for issuance. There are no significant changes to the current permits. The renewal permits incorporate the latest approved format. The P.E. certifications briefly summarize the proposed projects.

South Broward Waste-to-Energy Facility: The application was received on June 22, 2010. A request for addition information (RAI) was sent on August 5, 2010. A response was received on September 10, 2010, which made the application complete. Day 90 was December 9, 2010. A draft/proposed Title V air operation was issued for this project on November 18, 2010, however certain pollutant emission limits were inadvertently omitted. This revised draft/proposed permit corrects this oversight.

North Broward Waste-to-Energy Facility: The application was received on June 29, 2010. A request for addition information (RAI) was sent on August 5, 2010. A response was received on September 22, 2010, which made the application complete. Day 90 is December 21, 2010.

I recommend your approval of the attached draft/proposed Title V air operation permit renewals.

Attachments



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

Electronic Mail – Received Receipt Requested.

Mr. Jairaj Gosine, Plant Manager (jgosine@wm.com)
Wheelabrator South Broward, Inc.
4400 South State Road 7
Fort Lauderdale, Florida 33414

Re: Title V Air Operation Permit Renewal No. 0112119-015-AV
South Broward Waste-to-Energy Facility

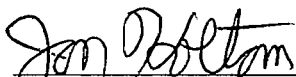
Dear Mr. Gosine:

Enclosed is the revised draft/proposed permit package to issue a renewed Title V air operation permit for the South Broward Waste-to-Energy Facility. A draft/proposed Title V air operation was issued for this project on November 18, 2010, however certain pollutant emission limits were inadvertently omitted. This revised draft/proposed permit corrects this oversight and replaces the draft/proposed permit previously issued on November 18, 2010. The facility is located at 4400 South State Road 7, Fort Lauderdale, Florida, in Broward County. The permit package includes the following documents:

- The Statement of Basis, which summarizes the facility, the equipment, the primary rule applicability, and the changes included in this Title V permit renewal.
- The draft/proposed Title V air operation permit renewal, which includes the specific permit conditions that regulate the emissions units covered by the proposed project.
- The Written Notice of Intent to Issue Air Permit provides important information regarding: the Permitting Authority's intent to issue air permit for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue air permit; the procedures for submitting comments on the draft/proposed permit; 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 also contains information concerning a renewal permit for the North Broward facility. The Public Notice of Intent to Issue Title V Air Permit must be published as soon as possible and the original proof of publication affidavit must be provided to the Department within seven days of the date of publication. Because this permit is being processed as a combined draft/proposed permit in order to reduce processing time, a duplicate copy of the proof of publication must also be transmitted by electronic mail within seven days of the date of publication to Ms. Ana Oquendo at EPA Region 4 at the following address: oquendo.ana@epamail.epa.gov.

If you have any questions, please contact the Project Engineer, Tom Cascio by telephone at (850) 921-9526 or by email at tom.cascio@dep.state.fl.us.

Sincerely,


for Tina L. Vielhauer, Chief
Bureau of Air Regulation

12/17/10
Date

Enclosures
TLV/jkh/tbc

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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

Wheelabrator South Broward, Inc.
4400 South State Road 7
Fort Lauderdale, Florida 33414

Permit No. 0112119-015-AV
Facility ID No. 0112119
South Broward Waste-to-Energy Facility
Title V Air Operation Permit Renewal
Broward County, Florida

Responsible Official:
Mr. Jairaj Gosine, Plant Manager

Facility Location: Wheelabrator South Broward, Inc., operates the existing South Broward Waste-to-Energy Facility, which is located in Broward County at 4400 South State Road 7, Fort Lauderdale, Florida.

Project: The main purpose of this project is to issue a Title V air operation permit. There were no significant changes made to the current Title V permit. Details of the project are provided in the application and the enclosed Statement of Basis.

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.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Bureau of Air Regulation 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 850/488-0114.

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 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/proposed 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 renewed Title V air operation permit to the applicant for the project described above. A draft/proposed Title V air operation was issued for this project on November 18, 2010, however certain pollutant emission limits were inadvertently omitted. This revised draft/proposed permit corrects this oversight and replaces the draft/proposed permit previously issued on November 18, 2010. The applicant has provided reasonable assurance that continued 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 a final permit in accordance with the conditions of the draft/proposed permit 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 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

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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 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 permit, the Permitting Authority shall issue a revised draft/proposed permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air 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 agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT


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

Mediation: Mediation is not available in this proceeding.

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: quendo.ana@epamail.epa.gov. Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www.epa.gov/region4/air/permits/Florida.htm>.

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

Executed in Tallahassee, Florida.


for _____
Trina L. Vielhauer, Chief
Bureau of Air Regulation

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

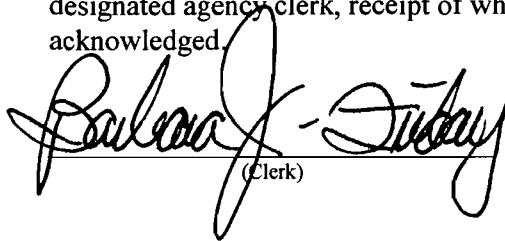
CERTIFICATE OF SERVICE

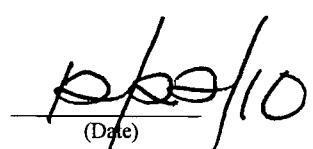
The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue a Title V Air Operation Permit Renewal (including the Public Notice, the Statement of Basis and Draft/Proposed Title V Air Operation Permit Renewal), or a link to these documents available electronically on a publicly accessible server, was sent by electronic mail with received receipt requested before the close of business on 12/22/10 to the persons listed below.

- Mr. Jairaj Gosine, Wheelabrator South Broward, Inc.: jgosine@wm.com
- Mr. Lennon Anderson, Southeast District Office: lennon.anderson@dep.state.fl.us
- Mr. Kennard F. Kosky, P.E., Golder Associates, Inc.: kkosky@golder.com
- Ms. Katy Forney, U.S. EPA Region 4: forney.kathleen@epa.gov
- Ms. Ana Oquendo, EPA Region 4: oquendo.ana@epa.gov
- Ms. Barbara Friday, DEP - BAR: barbara.friday@dep.state.fl.us (for posting with U.S. EPA, Region 4)
- Ms. Victoria Gibson, DEP - BAR: victoria.gibson@dep.state.fl.us (for reading file)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.


(Clerk)


(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Florida Department of Environmental Protection
Division of Air Resource Management, Bureau of Air Regulation
Revised Draft/Proposed Air Operation Permit No. 0112119-015-AV
Wheelabrator South Broward, Inc., South Broward Waste-to-Energy Facility
Draft/Proposed Air Operation Permit No. 0112120-010-AV
Wheelabrator North Broward, Inc., North Broward Waste-to-Energy Facility
Broward County, Florida

Applicant One: The applicant for this project is Wheelabrator South Broward, Inc. The applicant's responsible official and mailing address are: Mr. Jairaj Gosine, Plant Manager, Wheelabrator South Broward, Inc., South Broward Waste-to-Energy Facility, 4400 South State Road 7, Fort Lauderdale, Florida 33414.

Facility One Location: The applicant operates the existing South Broward Waste-to-Energy Facility, which is located in Broward County at 4400 South State Road 7, Fort Lauderdale, Florida.

Applicant Two: The applicant for this project is Wheelabrator North Broward, Inc. The applicant's responsible official and mailing address are: Mr. Scott McIlvaine, Plant Manager, Wheelabrator North Broward, Inc., North Broward Waste-to-Energy Facility, 2600 NW 48th Street, Pompano Beach, Florida 33073.

Facility Two Location: The applicant operates the existing North Broward Waste-to-Energy Facility, which is located in Broward County at 2600 NW 48th Street, Pompano Beach, Florida.

Project One: On June 22, 2010, the applicant submitted an application to renew the facility's current Title V air operation permit (0112119-014-AV). There were no changes requested by the applicant and no significant changes were made to the current permit. A draft/proposed Title V air operation was issued for this project on November 18, 2010, however certain pollutant emission limits were inadvertently omitted. This revised draft/proposed permit corrects this oversight and replaces the draft/proposed permit previously issued on November 18, 2010.

Project Two: On June 29, 2010, the applicant submitted an application to renew the facility's current Title V air operation permit (0112120-009-AV). There were no changes requested by the applicant and no significant changes were made to the current permit.

Description of Facilities: The facilities are similar in configuration. Each individual facility consists of three municipal solid waste combustors (Unit Nos. 001, 002 and 003) with auxiliary burners, lime storage and processing facilities, ash storage and processing facilities, a cooling tower and ancillary support equipment. The nominal (i.e., generator nameplate) electric generating capacity of each facility is approximately 67 megawatts (MW), which is sold to the local utility company. Each of the combustor units at the facilities includes an acid gas, air toxics, and particulate matter emissions control system consisting of a lime spray dryer and baghouse. Nitrogen oxides are controlled by a urea injection system that operates under the principle of selective non-catalytic reduction (SNCR). There is also a metals recovery system which is a potential source of fugitive emissions.

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.). The proposed projects are not exempt from air permitting requirements and Title V air operation permits are required to operate the facilities. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for these projects. 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 850/488-0114.

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 air operation permits, the

(Public Notice to be Published in the Newspaper)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Statement of Basis, the applications, and the information submitted by the applicants, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft/proposed air operation permits by visiting the following website: <http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit numbers 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 renewed Title V air operation permits to the applicants for the projects described above. The applicants have provided reasonable assurance that continued 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 permits unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the draft/proposed Title V air operation permits 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 permit, the Permitting Authority shall issue a revised draft/proposed permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

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

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed

(Public Notice to be Published in the Newspaper)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

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

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

Mediation: Mediation is not available for this proceeding.

EPA Review: EPA has agreed to treat the draft/proposed Title V air operation permits as proposed Title V air operation permits 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: oqueando.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 permits will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that results in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website 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>.

STATEMENT OF BASIS

Title V Air Operation Permit Renewal Permit No. 0112119-015-AV

APPLICANT

The applicant for this project is Wheelabrator South Broward, Inc. The applicant's responsible official and mailing address are: Mr. Jairaj Gosine, Plant Manager, Wheelabrator South Broward, Inc., South Broward Waste-to-Energy Facility, 4400 South State Road 7, Fort Lauderdale, Florida, 33414.

FACILITY DESCRIPTION

The applicant operates the South Broward Waste-to-Energy Facility, which is located in Broward County at 4400 South State Road 7, Fort Lauderdale, Florida.

This facility consists of three municipal solid waste combustors (Unit Nos. 001, 002 and 003) with auxiliary burners, lime storage and processing facilities, ash storage and processing facilities, a cooling tower and ancillary support equipment. The nominal (i.e., generator nameplate) electric generating capacity of the facility is 202.8 megawatts (MW), which is sold to the local utility company. Each of the combustor units at the facility includes an acid gas, air toxics, and particulate matter emissions control system consisting of a lime spray dryer and baghouse. Nitrogen oxides are controlled by a urea injection system that operates under the principle of selective non-catalytic reduction (SNCR). There is a metals recovery system which is a potential source of fugitive emissions.

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

PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Renewed Title V Air Operation Permit issued February 14, 2006.
Title V Air Operation Permit Revision issued December 11, 2009.
Application for a Title V Air Operation Permit Renewal received June 22, 2010.
Additional Information Request dated August 5, 2010.
Additional Information Response received September 10, 2010.

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility operates units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility operates units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

Siting: Units 001, 002 and 003 were originally certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

Wheelabrator South Broward, Inc.
South Broward Waste-to-Energy Facility

Permit No. 0112119-015-AV
Title V Air Operation Permit Renewal

STATEMENT OF BASIS

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility. The emission limits for regulated pollutants for the three municipal waste combustors and auxiliary burners are equal to the NSPS, 40 CFR Subpart Cb limits, with the exception of beryllium and fluoride. Because emissions limits for the following pollutants were taken directly from Subpart Cb, CAM is not applicable for the control devices for particulate matter, cadmium, lead, dioxins/furans, mercury, nitrogen oxides, sulfur dioxide, and hydrogen chloride.

The PSD permit also contains beryllium and fluoride emission limits. However, the applicant has provided justification which demonstrates that the uncontrolled potentials to emit (PTE) the respective pollutants are significantly less than ten (10) tons per year. This finding is consistent with the Annual Operating Report data submitted for 2009 for the facility. Thus, CAM does not apply to the control devices for these pollutants. The PSD permit also contains a carbon monoxide emission limit. But, since there is no control device at the facility for this pollutant, CAM does not apply.

The Title V permit contains a particulate matter (PM) emission limit for the lime silo baghouse (Unit 004). The applicant has provided justification demonstrating that the uncontrolled potential to emit PM is less than 100 tons per year for this emissions unit. This finding is consistent with the Annual Operating Report data submitted for 2009 for the facility. Therefore, CAM does not apply.

PROJECT REVIEW

The applicant requested no changes to the current permit language. No significant changes were made to any specific conditions. The renewed permit was drafted using the latest Department approved format.

CONCLUSION

This project renews Title V Air Operation Permit No. 0112119-014-AV, which was effective on February 14, 2006. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210 and 62-213, F.A.C.

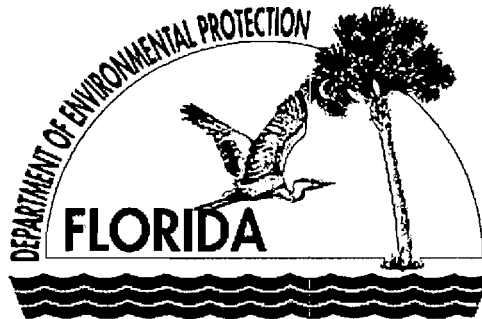
Wheelabrator South Broward, Inc.
South Broward Waste-to-Energy Facility

Facility ID No. 0112119
Broward County

Title V Air Operation Permit Renewal

Permit No. 0112119-015-AV

(Renewal of Title V Air Operation Permit No. 0112119-014-AV)



Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation
Title V Section
2600 Blair Stone Road
Mail Station #5505
Tallahassee, Florida 32399-2400
Telephone: (850) 488-0114
Fax: (850) 921-9533

Compliance Authority:

Southeast District Office
400 North Congress Avenue
West Palm Beach, Florida 33416-5425
Telephone: (561) 681-6600
Fax: (561) 681-6755

Title V Air Operation Permit Renewal

Permit No. 0112119-015-AV

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DRAFT/PROPOSED PERMIT

PERMITTEE:

Wheelabrator South Broward, Inc.
4400 South State Road 7
Fort Lauderdale, Florida 33414

Permit No. 0112119-015-AV

South Broward Waste-to-Energy Facility

Facility ID No. 0112119

Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. The existing South Broward Waste-to-Energy Facility is located at 4400 South State Road 7, Fort Lauderdale, in Broward County. Universal Transverse Mercator (UTM) Coordinates are: Zone 17, 579.54 kilometers (km) East and 2883.34 km North. Latitude is: 26° 04' 07" North; and, Longitude is: 80° 12' 19" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: DATE, 20xx

Renewal Application Due Date: Exp. DATE, 225, 20xx

Expiration Date: 5 years + Eff. DATE, 20xx

(Draft/Proposed)

Joseph Kahn, Director

Division of Air Resource Management

JK/tlv/jkh/tbc

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

This facility consists of three municipal solid waste combustors (Unit Nos. 001, 002 and 003) with auxiliary burners, lime storage and processing facilities, ash storage and processing facilities, a cooling tower and ancillary support equipment. The nominal (i.e., generator nameplate) electric generating capacity of the facility is 66.1 megawatts (MW), which is sold to the local utility company. Also included in this permit are miscellaneous insignificant emissions units and/or activities.

Each of the combustor units at the facility includes an acid gas, air toxics, and particulate matter emissions control system consisting of a lime spray dryer and baghouse. Nitrogen oxides are controlled by a urea injection system that operates under the principle of selective non-catalytic reduction (SNCR). There is a metals recovery system which is a potential source of fugitive emissions.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
<i>Regulated Emissions Units</i>	
001	863 tons per day (TPD) (maximum) Municipal Waste Combustor & Auxiliary Burners - Unit 001
002	863 TPD (maximum) Municipal Waste Combustor & Auxiliary Burners - Unit 002
003	863 TPD (maximum) Municipal Waste Combustor & Auxiliary Burners - Unit 003
004	236 Ton Lime Silo with a Baghouse
005	Ash Handling System

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received on June 22, 2010, this facility is a major source of hazardous air pollutants (HAP). Because this facility operates stationary reciprocating internal combustion engines, it is subject to regulation under 40 CFR 63, Subpart ZZZZ - National Emissions Standards For Hazardous Air Pollutants For Stationary Reciprocating Internal Combustion Engines. However, since the engines being operated meet the Subpart ZZZZ definition of "existing units", there are no unit specific applicable requirements that must be met pursuant to this rule at this time. The existing facility is a PSD major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s).
<i>Federal Rule Citations</i>	
40 CFR 60, Subpart A, NSPS General Provisions	001, 002, 003
40 CFR 60, Subpart Cb, Emissions Guidelines and Compliance Times for Large Municipal Waste Combustors	
40 CFR 60, Eb, Standards of Performance for Large Municipal Waste Combustors	
40 CFR 61, Subpart A, NESHAP General Provisions	

SECTION I. FACILITY INFORMATION.

<i>State Rule Citations</i>	
Rule 62-4, Florida Administrative Code (F.A.C.) (Permitting Requirements)	001, 002, 003, 004, 005
Rule 62-204, F.A.C. (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference)	
Rule 62-210, F.A.C. (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms)	
Rule 62-213, F.A.C. (Title V Air Operation Permits for Major Sources of Air Pollution)	
Rule 62-296, F.A.C. (Emission Limiting Standards)	
Rule 62-297, F.A.C. (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures)	
PSD-FL-105	
PA 85-21(B)	

SECTION II. FACILITY-WIDE CONDITIONS.

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Not federally Enforceable. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b), F.A.C.]

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

- a. Vehicular traffic areas such as roads and parking areas are paved, swept and watered.
- b. Water is applied to active areas of the monofill. Closed areas are watered until sufficient vegetation has been established.
- c. Water is applied to areas that are unvegetated because of construction/operation activities.
- d. All conveyor systems are enclosed and maintained to minimize leaks.
- e. The facility utilizes a Dust Abatement Control Plan to minimize emissions of unconfined particulate matter from the monofill.
- f. Landscaping or planting of vegetation.
- g. Confining abrasive blasting where possible.

[Rule 62-296.320(4)(c), F.A.C.; and, proposed by Applicant in Title V air operation permit renewal application received June 22, 2010.]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW6. Annual Operating Report. The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year. [Rule 62-210.370(3), F.A.C.]

FW7. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for

SECTION II. FACILITY-WIDE CONDITIONS.

download by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: <http://www.dep.state.fl.us/air/emission/tvfee.htm>. [Rule 62-213.205, F.A.C.]

FW8. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

FW9. Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

- a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
- b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001, 002 and 003

The specific conditions in this section apply to the following emissions units:

EU No.	Brief Description
001	863 tons per day (TPD) (maximum) Municipal Waste Combustor & Auxiliary Burners - Unit 001
002	863 TPD (maximum) Municipal Waste Combustor & Auxiliary Burners - Unit 002
003	863 TPD (maximum) Municipal Waste Combustor & Auxiliary Burners - Unit 003

Each of the three municipal waste combustors (MWC) has a *nominal* design rate capacity of 750 tons of municipal solid waste (MSW) per day and 281 million British thermal units (MMBtu) per hour heat input (with MSW having a heating value of 4,500 Btu per pound). A maximum (short-term) capacity of 863 tons of waste per day and 323.6 MMBtu per hour heat input (115% rated capacity) is allowed. Short-term capacity is limited by limiting steam production, which effectively limits heat input. The maximum steam production rate is 192,000 pounds per hour (lbs/hr), with a net steam energy of 5,600 Btu/lb of steam (the net steam energy may be calculated as the difference in enthalpy between the steam at the superheater outlet and the feedwater at the inlet).

Emissions unit numbers 001, 002 and 003 are Babcock and Wilcox Company manufactured MSW combustors. Each unit consists of an integrated mass-burn furnace and multi-pass waterwall type boiler with a rated (nominal) capacity of 750 tons MSW per day (TPD) and 281 million British thermal units per hour (MMBtu/hr) heat input when burning solid waste with a heat content of 4,500 British thermal units per pound (Btu/lb). Therefore, the facility has a nameplate (nominal) waste processing rate of 2,250 TPD (at 4,500 Btu/lb). Two auxiliary distillate fuel oil or natural gas fired burners are associated with each MSW combustor. The burners are used to fire the MSW combustors during start-up, shutdown, and at other times when necessary and consistent with good combustion practices. The maximum permitted steam production rate of each unit is 192,000 lbs/hr when firing municipal solid waste. Steam flow is the main process throughput parameter monitored for these units.

Units 001, 002 and 003 began commercial operation on April 5, April 20 and April 26, 1991, respectively. Particulate matter, some metals (i.e., lead (Pb), mercury (Hg) and beryllium (Be)), sulfur dioxide (SO₂) and acid gas emissions from Units 001, 002 and 003 are controlled by separate baghouses and spray dry absorbers, while carbon monoxide (CO) and nitrogen oxides (NO_x) emissions are controlled by good combustion controls. Mercury emissions are reduced by injection of activated carbon. Odor is controlled by drawing combustion air from the refuse tipping area. Units 001, 002 and 003 share a common stack and turbine containing one flue for each unit. Stack height = 195 feet, exit diameter = 7.5 feet, volumetric flow rate = 169,000 actual cubic feet per minute (acfm).

All three units are retrofitted with selective non-catalytic reduction (SNCR) NO_x controls to comply with NSPS – 40 CFR 60, Subpart Cb requirements. The limits imposed in Subpart Cb are more stringent than corresponding PSD-FL-105 limits for SO₂, PM, VE, NO_x and Pb emissions from each unit. Pollutants regulated by Subpart Cb that were not regulated in PSD-FL-105 for all three units are Cd, HCl, Hg, and dioxins/furans. Pollutants regulated in PSD-FL-105 that are not regulated by Subpart Cb are Be and Fl.

{Permitting Notes. These emissions units are regulated under NSPS - 40 CFR 60, Subpart Cb, Emissions Guidelines and Compliance Times for Large Municipal Waste Combustors That Are Constructed on or Before September 20, 1994, adopted and incorporated by reference, subject to provisions, in Rule 62-204.800, F.A.C.; Rule 62-212.400(5), F.A.C., Prevention of Significant Deterioration (PSD) (PSD-FL-105(B)); Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT); Rule 62-296.401(2), F.A.C., Incinerators; Rule 62-296.416, F.A.C., Waste-to-Energy Facilities; and Power Plant Siting Certification No.: PA 85-21(B). Also, please note that conditions in 40 CFR 60, Subpart Cb, are contained in 40 CFR 60, Subpart Eb.}

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001, 002 and 003

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum allowable pounds of steam produced per hour is as follows:

a. *Steam Capacity.*

<u>Unit Nos.</u>	<u>Pounds of Steam Produced per Hour</u>	<u>Fuel Type</u>
001 002 003	192,000 (based on a 4-hour block averaged measurement)	Municipal Solid Waste (MSW)

b. *Operational Capacity.* Each municipal waste combustor (MWC) unit shall have a maximum capacity of 192,000 pounds of steam produced per hour based on a 4-hour block averaged measurement. The maximum individual MWC throughput shall not exceed 863 tons MSW per day (2,589 tons per day entire facility) and 323.6 MMBtu/hr (115% rated capacity), as determined monthly. The procedures specified in paragraphs (1) and (2), below, shall be used for calculating municipal waste combustor unit capacity as defined under 40 CFR 60.51b.

(1) For municipal waste combustor units capable of combusting municipal solid waste continuously for a 24-hour period, municipal waste combustor unit capacity shall be calculated based on 24 hours of operation at the maximum charging rate. The maximum charging rate shall be determined as specified in paragraphs (a) and (b) as applicable.

(a) For combustors that are designed based on heat capacity, the maximum charging rate shall be calculated based on the maximum design heat input capacity of the unit and a heating value of 12,800 kilojoules per kilogram for combustors firing refuse-derived fuel and a heating value of 10,500 kilojoules per kilogram for combustors firing municipal solid waste that is not refuse-derived fuel.

(b) For combustors that are not designed based on heat capacity, the maximum charging rate shall be the maximum design charging rate.

(2) For batch feed municipal waste combustor units, municipal waste combustor unit capacity shall be calculated as the maximum design amount of municipal solid waste that can be charged per batch multiplied by the maximum number of batches that could be processed in a 24-hour period. The maximum number of batches that could be processed in a 24-hour period is calculated as 24 hours divided by the design number of hours required to process one batch of municipal solid waste, and may include fractional batches (e.g., if one batch requires 16 hours, then 24/16, or 1.5 batches, could be combusted in a 24-hour period). For batch combustors that are designed based on heat capacity, the design heating value of 12,800 kilojoules per kilogram for combustors firing refuse-derived fuel and a heating value of 10,500 kilojoules per kilogram for combustors firing municipal solid waste that is not refuse-derived fuel shall be used in calculating the municipal waste combustor unit capacity.

[40 CFR 60.31b and 40 CFR 60.58b(j); Rules 62-4.160(2), 62-204.800 and 62-210.200(PTE), F.A.C.; and PSD-FL-105 and PSD-FL-105(B)]

A.2. Emissions Unit Operating Rate Limitation After Testing. See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

A.3. Unit Load. Unit load means the steam load (in pounds per hour) of the municipal waste combustor (MWC) measured as specified in 40 CFR 60.58b(i)(6). Each MWC unit shall not operate at a load level greater than 110 percent of the unit's "maximum demonstrated unit load." The maximum demonstrated unit load is the highest 4-hour arithmetic averaged MWC unit load achieved during four consecutive hours during the most recent dioxin/furan performance stack test in which compliance with the dioxin/furan emission limit

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001, 002 and 003

was achieved. Higher loads are allowed for testing purposes as specified at 40 CFR 60.53b (b). [40 CFR 60.34b (b) and 40 CFR 60.51b; and, PSD-FL-105(B)]

A.4. Methods of Operation -- Fuels.

a. Allowable Fuels.

The primary fuel for this facility is municipal solid waste (MSW), including the items and materials that fit within the definition of MSW contained in either 40 CFR 60.51b or Section 403.706(5), F.S. Subject to the limitations contained in this permit, the authorized fuels for the facility also include the other solid wastes that are not MSW which are described below.

b. Unauthorized Fuels.

(1) shall not burn:

- (a) those materials that are prohibited by state or federal law;
- (b) those materials that are prohibited by this permit;
- (c) those materials that are not authorized by this permit;
- (d) lead acid batteries;
- (e) hazardous waste;
- (f) nuclear waste;
- (g) radioactive waste;
- (h) sewage sludge;
- (i) explosives;
- (j) asbestos containing materials;
- (k) beryllium-containing waste, as defined in 40 CFR 61, Subpart C.

(2) and shall not knowingly burn:

- (a) nickel-cadmium batteries pursuant to Section 403.7192(3);
- (b) mercury containing devices and lamps pursuant to Sections 403.7186(2) & (3);
- (c) untreated biomedical waste from biomedical waste generators regulated pursuant to Chapter 64E-16, F.A.C., and from other similar generators (or sources). See the attached Appendix BW: Biomedical Waste Definitions, for definitions of what constitutes biomedical waste;
- (d) segregated loads of biological waste.

c. Fuel Handling. The fuel may be received either as a mixture or as a single-item stream (segregated load) of discarded materials. If the facility intends to use an authorized fuel that is segregated non-MSW material, the fuel shall be either:

- (1) well mixed with MSW in the refuse pit; or
- (2) alternately charged with MSW in the hopper.

The facility owner/operator shall prepare and maintain records concerning the description and quantities of all segregated loads of non-MSW material which are received and used as fuel at the facility, and subject to a percentage weight limitation as described below. For the purposes of this permit, a segregated load is defined to mean a container or truck that is almost completely or exclusively filled with a single item or homogeneous composition of waste material, as determined by visual inspection.

d. Other Solid Waste. Subject to the conditions and limitations contained in this permit, the following other solid waste may be used as fuel at the facility:

- (1) Confidential, proprietary or special documents (including but not limited to business records, lottery tickets, event tickets, coupons, credit cards, magnetic tape and microfilm);
- (2) Contraband which is being destroyed at the request of appropriately authorized local, state or federal governmental agencies, provided that such material is not an explosive, a propellant, a hazardous waste, or otherwise prohibited at the facility. For the purposes of this section, contraband includes but is not limited to drugs, narcotics, fruits, vegetables, plants, counterfeit money, and counterfeit consumer goods;
- (3) Wood pallets, clean wood and land clearing debris;
- (4) Packaging materials and containers;

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001, 002 and 003

- (5) Clothing, natural and synthetic fibers, fabric remnants, and similar debris, including but not limited to aprons and gloves; and
 - (6) Rugs, carpets, and floor coverings but not asbestos-containing materials or polyethylene or polyurethane vinyl floor coverings.
 - (7) The predominantly combustible fraction of sorted construction and demolition debris. Sorting of mixed construction and demolition debris at the facility shall occur on the tipping floor or at another location approved by the Department.
- e. *Waste Tires.* Subject to the conditions and limitations contained in this permit, waste tires may be used as fuel at the facility. The total quantity of waste tires received as segregated loads and burned at the facility shall not exceed 3%, by weight, of the facility's total fuel. Compliance with this limitation shall be determined by using a rolling 30 day average.
- f. *Non-MSW Material.* Subject to the conditions and limitations contained in this permit, the following other solid waste materials may be used as fuel at the facility (i.e., the following are authorized fuels that are non-MSW material). The total quantity of the following non-MSW material received as segregated loads and burned at the facility shall not exceed 5%, by weight, of the facility's total fuel. Compliance with this limitation shall be determined by using a rolling 30 day average.
- (1) Construction and demolition debris.
 - (2) Oil spill debris from aquatic, coastal, estuarine or river environments. Such items or materials include but are not limited to rags, wipes, and absorbents.
 - (3) Items suitable for human, plant or domesticated animal use, consumption or application where the item's shelf-life has expired or the generator wishes to remove the items from the market. Such items or materials include but are not limited to off-specification or expired consumer products, pharmaceuticals, medications, health and personal care products, cosmetics, foodstuffs, nutritional supplements, returned goods, and controlled substances.
 - (4) Consumer-packaged products intended for human or domesticated animal use or application but not consumption. Such items or materials include but are not limited to carpet cleaners, household or bathroom cleaners, polishes, waxes and detergents.
 - (5) Waste materials that:
 - (a) are generated in the manufacture of items in categories d.(3) or (4), above and are functionally or commercially useless (expired, rejected or spent); or
 - (b) are not yet formed or packaged for commercial distribution. Such items or materials must be substantially similar to other items or materials routinely found in MSW.
 - (6) Waste materials that contain oil from:
 - (a) the routine cleanup of industrial or commercial establishments and machinery; or
 - (b) spills of virgin or used petroleum products. Such items or materials include but are not limited to rags, wipes, and absorbents.
 - (7) Used oil and used oil filters. Used oil containing a PCB concentration equal or greater than 50 parts per million (ppm) shall not be burned, pursuant to the limitations of 40 CFR 761.20(e).
 - (8) Waste materials generated by manufacturing, industrial or agricultural activities, provided that these items or materials are substantially similar to items or materials that are found routinely in MSW, subject to prior approval of the Department.
- g. *Auxiliary Burners Fuels.* Only distillate fuel oil or natural gas shall be used in the startup burners. Natural gas may be used as fuel during warm-up, startup, shutdown, and malfunction periods, and at other times when necessary and consistent with good combustion practices.
- h. *Prior Approval to Burn Additional Fuels or Wastes.* Other fuels or wastes shall not be burned in the MSW combustors without prior specific written approval of the Secretary of the Department of Environmental Protection.

[Rules 62-4.160(2), 62-210.200, 62-4.070(3), Rule 62-213.410 and 62-213.440(1), F.A.C.; Applicant's request in Title V permit renewal application received June 22, 2010; and PSD-FL-105(B) and (D)]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Units 001, 002 and 003

- A.5. Operating Requirements.** To ensure that the facility's fuel does not adversely affect the facility's combustion process or emissions, the facility operator shall:
- comply with good combustion operating practices in accordance with 40 CFR 60.53b;
 - operate and maintain continuous emissions monitors (CEMS) for oxygen, carbon monoxide, sulfur dioxide, oxides of nitrogen and particulate control device inlet temperature in accordance with 40 CFR 60.58b; and
 - record and maintain the CEMS data in accordance with 40 CFR 60.59b.
- These steps shall be used to ensure and verify continuous compliance with the emissions limitations in this permit. [PSD-FL-105(B)]
- A.6. Hours of Operation.** These emissions units may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

Control Technology

- A.7. Air Pollution Control Equipment.** The permittee shall continuously operate and maintain the following air pollution controls to minimize emissions.
- Each boiler is equipped with a baghouse for the control of particulate matter.
 - Each boiler is equipped with an acid gas control device designed to remove at least 90% of the acid gases.
 - Each boiler is equipped with a selective non-catalytic reduction system to control nitrogen oxides emissions.
 - Each boiler is equipped with an activated carbon injection system to further control mercury and dioxin/furan emissions.
- [PSD-FL-105(B), (C) and (D) and Rule 62-4.070.(3), F.A.C.]
- A.8. Mercury Control Requirements.** The permittee must operate the pollution control equipment at the facility under procedures designed to minimize emissions of mercury and maximize the removal of mercury from the flue gas of the facility. An activated carbon injection system for mercury control approved by the Department shall be operated continuously whenever MSW is burned at the facility. The emissions of mercury from the facility shall not exceed the standard established in the conditions of this permit. [Rule 62-210.650, F.A.C.]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

Unless otherwise specified, the averaging times for Specific Conditions A.9.-A.21. are based on the specified averaging time of the applicable test method.

- A.9. PM Emissions.** The emission limit for particulate matter contained in the gases discharged to the atmosphere shall not exceed any of the following:
- NSPS. 25 milligrams per dry standard cubic meter, corrected to 7 percent oxygen.
 - PSD.
 - 27 milligrams per dry standard cubic meter, corrected to 7 percent oxygen.
 - 0.012 gr/dscf, corrected to 7 percent oxygen
- [40 CFR 60.33b (a)(1)(i) and PSD-FL-105(B)]
- A.10. Visible Emissions.** The emission limit for opacity exhibited by the gases discharged to the atmosphere is 10 percent (6-minute average). [40 CFR 60.33b (a)(1)(iii) and PSD-FL-105(B)]

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- A.11. Cadmium.** The emission limit for cadmium contained in the gases discharged to the atmosphere shall not exceed any of the following:
- NSPS.* 0.035 milligrams per dry standard cubic meter, corrected to 7 percent oxygen.
 - PSD.* 0.040 milligrams per dry standard cubic meter, corrected to 7 percent oxygen. [40 CFR 60.33b(a)(2)(i) and PSD-FL-105(B)]
- A.12. Mercury.** The emission limit for mercury contained in the gases discharged to the atmosphere shall not exceed any of the following:
- NSPS.* 50 micrograms per dry standard cubic meter or 15 percent of the potential mercury emission concentration (85-percent reduction by weight), corrected to 7 percent oxygen, whichever is less stringent.
 - PSD.* 70 micrograms per dry standard cubic meter or 15 percent of the potential mercury emission concentration (85-percent reduction by weight or volume), corrected to 7 percent oxygen, whichever is less stringent. [40 CFR 60.33b(a)(3) and PSD-FL-105(B)]
- A.13. Lead.** The emission limit for lead contained in the gases discharged to the atmosphere shall not exceed any of the following:
- NSPS.* 0.40 milligrams per dry standard cubic meter, corrected to 7 percent oxygen.
 - PSD.* 0.44 milligrams per dry standard cubic meter, corrected to 7 percent oxygen. [40 CFR 60.33b(a)(4) and PSD-FL- PSD-FL-105(B)]
- A.14. Sulfur Dioxide.** The emission limit for sulfur dioxide contained in the gases discharged to the atmosphere is 29 parts per million by volume or 25 percent of the potential sulfur dioxide emission concentration (75-percent reduction by weight or volume), corrected to 7 percent oxygen (dry basis), whichever is less stringent. Compliance with this emission limit is based on a 24-hour daily geometric mean. [40 CFR 60.33b(b)(3)(i) and PSD-FL-105(B)]
- A.15. Hydrogen Chloride.** The emission limit for hydrogen chloride contained in the gases discharged to the atmosphere is 29 parts per million by volume or 5 percent of the potential hydrogen chloride emission concentration (95-percent reduction by weight or volume), corrected to 7 percent oxygen (dry basis), whichever is less stringent. [40 CFR 60.33b(b)(3)(ii) and PSD-FL-105(B)]
- A.16. Dioxins/Furans.** The emission limit for dioxins/furans contained in the gases discharged to the atmosphere is 30 nanograms per dry standard cubic meter (total mass of tetra- through octa chlorinated dibenzo-p-dioxins and dibenzofurans), corrected to 7 percent oxygen. [40 CFR 60.33b(c)(1)(ii) and PSD-FL-105(B)]
- A.17. Nitrogen Oxides.** The emission limit for nitrogen oxides contained in the gases discharged to the atmosphere is 205 parts per million by volume, corrected to 7 percent oxygen, dry basis. The permittee may request authorization from the Department to conduct nitrogen oxides emissions averaging pursuant to 40 CFR 60.33b. [40 CFR 60.33b(d) and PSD-FL-105(B)]
- A.18. Carbon Monoxide.** The emission limit for carbon monoxide contained in the gases discharged to the atmosphere is 100 parts per million by volume, measured at the combustor outlet in conjunction with a measurement of oxygen concentration, corrected to 7 percent oxygen, dry basis. The limit is calculated as an arithmetic average; averaging time is a 4-hour block average. [40 CFR 60.34b(a) and PSD-FL-105(B)]
- A.19. Fugitive Ash Emissions.**
- No owner or operator of an affected facility shall cause to be discharged to the atmosphere visible emissions of combustion ash from an ash conveying system (including conveyor transfer points) in excess of 5 percent of the observation period (i.e., 9 minutes per 3-hour period), as determined by EPA Reference Method 22 observations as specified in 40 CFR 60.58b(k), except as provided in paragraphs b. and c.

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- b. The emission limit specified in paragraph a. does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, the emission limit specified in paragraph a. does cover visible emissions discharged to the atmosphere from buildings or enclosures of ash conveying systems (including conveyor transfer points).
- c. The provisions of paragraph a. do not apply during maintenance and repair of ash conveying systems. [40 CFR 60.36b and 40 CFR 60.55b and PSD-FL-105(B)]

A.20. Beryllium. The emission limit for beryllium contained in the gases discharged to the atmosphere from each unit shall not exceed 0.001 mg/dscm, corrected to 7 % O₂. [PSD-FL-105(B)]

A.21. Total Fluorides. The emission limit for total fluorides contained in the gases discharged to the atmosphere from each unit shall not exceed 0.0040 lbs/MMBtu. Compliance with the emission limit shall be determined by calculating an EPA F-Factor using 40 CFR 60 Appendix A, Method 19. [Rule 62-213.440, F.A.C. and PSD-FL-105(B)]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C., cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

A.22. Excess Emissions Allowed. Excess emissions resulting from startup, shutdown, or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed three hours in any 24 hour period. [Rule 62-210.700(1) & (5), F.A.C., and authorized by the Department on June 21, 2000]

A.23. Excess Emissions Prohibited. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during start-up, shutdown, or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C. and PSD-FL-105(B)]

A.24. CEMS Data. Excess emissions indicated by the CEM systems shall be considered violations of the applicable opacity limit or operating emission limits (in ppm) for the purposes of this permit provided the data represents accurate emission levels and the CEM systems do not exceed the calibration drift (as specified in the respective performance specification tests) on the day when initial and subsequent compliance is determined. The burden of proof to demonstrate that the data does not reflect accurate emission readings shall be the responsibility of the permittee. [PSD-FL-105]

A.25. Carbon Monoxide. For the purpose of compliance with the carbon monoxide emission limits in 40 CFR 60.53b(a), if a loss of boiler water level control (e.g., loss of combustion air fan, induced draft fan, combustion grate bar failure) is determined to be a malfunction, the duration of the malfunction period is limited to 15 hours per occurrence. [40 CFR 60.58b(a)(1)iii]

Monitoring of Operations

A.26. Flue Gas Temperature Monitoring. Each MWC unit is required to continuously monitor and record the flue gas temperature at the inlet to the PM control device in accordance with the requirements at 40 CFR 60.58b(i)(7). The PM control device inlet temperature and the steam (or feedwater) flow for each unit during the stack test shall be continuously monitored and recorded in accordance with 40 CFR 60, Subpart Cb. Higher temperatures are allowed for testing purposes, as specified at 40 CFR 60.53b(c). [PSD-FL-105(B)]

Continuous Monitoring Requirements

A.27. CEMS Data.

- a. Continuous emission monitoring systems (CEMS) shall measure stack gas opacity and SO₂, NO_x, CO, and O₂ concentrations for each unit. Continuous monitors for SO₂ shall be calibrated and maintained following the acid gas control device for each unit. The systems shall meet the EPA monitoring

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performance specifications of 40 CFR 60.13 and 40 CFR 60, Appendix B. Additionally, CEMS shall meet the quality control requirements of 40 CFR 60, Appendix F.

- b. CEMS data recorded during periods of startup, shutdown, and malfunction shall be reported but excluded from compliance averaging periods for CO, NO_x, and opacity.
- c. CEMS data recorded during periods of startup and shutdown shall be excluded from compliance averaging periods for SO₂.
- d. CEMS data recorded during periods of acid gas control device malfunctions shall be excluded from compliance averaging periods for SO₂ provided that the preceding thirty day period which ends on the last day of the malfunction period meets an average SO₂ emission limit equal to the SO₂ limit specified in condition . CEMS data must be available for 90% of the operating time for this exemption to apply. A malfunction as used in this permit means any sudden and unavoidable failure of air pollution control equipment or process equipment or of a process to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions.

[PSD-FL-105(B)]

A.28. CEMS Used for Continuous Compliance. Continuous compliance with the emission limits for opacity, carbon monoxide (CO), nitrogen oxides (NO_x), sulfur dioxide (SO₂) and the operational parameters steam production (lb/hr) or feedwater flow rate (lb/hr) and fabric filter inlet flue gas temperature shall be demonstrated by continuous emission monitoring systems (CEMS) operated in accordance with 40 CFR 60.58b and 60.59b(f). SO₂ monitors shall be located both upstream of the scrubber and downstream of the baghouse, in order to calculate percent removal efficiency. [PSD-FL-105(B)]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.29. Test Methods. Required tests shall be performed in accordance with the following reference methods:

Method	Description of Method and Comments
1, 2 and 4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
3, 3A or 3B	Gas Analysis for the Determination of Dry Molecular Weight
5	Method for Determining Particulate Matter Emissions
6, 6A or 6C	Determination of Sulfur Dioxide Emissions from Stationary Sources
7, 7A, 7C, 7D or 7E	Determination of Nitrogen Oxides Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10, 10A, or 10B	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}
13A or 13B	Method for Determining Total Fluoride Emissions
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
22	Determination of Fugitive Dust Emissions
23	Method for Determining Dioxins/Furans Emission Concentration

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Method	Description of Method and Comments
26 or 26A	Method for Determining Hydrogen Chloride Emissions
29	Method for Determining Beryllium, Cadmium, Lead and Mercury Emissions

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [40 CFR 60.38b, 40 CFR 60.58b; 62-297.401, F.A.C.; PSD-FL-105; and, 0112119-001-AC]

A.30. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

A.31. Annual Compliance Tests Required. During each federal fiscal year (October 1st to September 30th), each EU shall be tested to demonstrate compliance with the emissions standards for PM/PM₁₀, HCl, mercury, lead, cadmium, visible emissions and dioxins/furans. [Rule 62-297.310(7), F.A.C., and Permit No. PSD-FL-105]

A.32. Compliance Tests Prior To Renewal. Compliance tests shall be performed for beryllium and total fluorides once every 5 years. The tests shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emission limits in Specific Condition **A.20.** and **A.21.** [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

A.33. Cadmium, Lead and Mercury. The procedures and test methods specified in paragraphs a. and b. shall be used to determine compliance with the emission limits for cadmium, lead, and mercury.

- a. The procedures and test methods specified in paragraphs a.(1) through a.(10) shall be used to determine compliance with the emission limits for cadmium and lead.
 - (1) The EPA Reference Method 1 shall be used for determining the location and number of sampling points.
 - (2) The EPA Reference Method 3, 3A, or 3B, or as an alternative ASME PTC-19-10-1981—Part 10, as applicable shall be used for gas analysis.
 - (3) The EPA Reference Method 29 shall be used for determining compliance with the cadmium and lead emission limits.
 - (4) An oxygen or carbon dioxide measurement shall be obtained simultaneously with each Method 29 test run for cadmium and lead required under paragraph (1)(iii).
 - (5) The owner or operator of an affected facility may request that compliance with the cadmium or lead emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph 40 CFR 60.58b(b)(6).
 - (6) All performance tests shall consist of a minimum of three test runs conducted under representative full load operating conditions. The average of the cadmium or lead emission concentrations from three test runs or more shall be used to determine compliance.
 - (7) Following the date of the initial performance test or the date on which the initial performance test is required to be completed under 40 CFR 60.8, the owner or operator of an affected facility shall conduct a performance test for compliance with the emission limits for cadmium and lead on a calendar year basis (no less than 9 calendar months and no more than 15 calendar months following the previous performance test; and must complete five performance tests in each 5-year calendar period).
- b. The procedures and test methods specified in paragraphs (b)(1) through (2)(xi) shall be used to determine compliance with the mercury emission limit.

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- (1) The EPA Reference Method 1 shall be used for determining the location and number of sampling points.
- (2) The EPA Reference Method 3, 3A, or 3B, or as an alternative ASME PTC-19-10-1981—Part 10, as applicable, shall be used for flue gas analysis.
- (3) The EPA Reference Method 29 or as an alternative ASTM D6784-02 shall be used to determine the mercury emission concentration. The minimum sample volume when using Method 29 for mercury shall be 1.7 cubic meters.
- (4) An oxygen (or carbon dioxide) measurement shall be obtained simultaneously with each Method 29 test run for mercury required under paragraph (2)(iii).
- (5) The percent reduction in the potential mercury emissions (%PHG) is computed using equation 1:

$$[\%P_{HG}] = \left[\frac{E_i - E_o}{E_i} \right] \times 100 \quad (\text{equation 1})$$

where:

%PHG = percent reduction of the potential mercury emissions achieved.

E_i = potential mercury emission concentration measured at the control device inlet, corrected to 7 percent oxygen (dry basis).

E_o = controlled mercury emission concentration measured at the mercury control device outlet, corrected to 7 percent oxygen (dry basis).

- (6) All performance tests shall consist of a minimum of three test runs conducted under representative full load operating conditions. The average of the mercury emission concentrations or percent reductions from three test runs or more is used to determine compliance.
- (7) The owner or operator of an affected facility may request that compliance with the mercury emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. The relationship between oxygen and carbon dioxide levels for the affected facility shall be established as specified in paragraph 40 CFR 60.58b(b)(6).
- (8) The owner or operator of an affected facility shall conduct an initial performance test for mercury emissions as required under 40 CFR 60.8.
- (9) Following the date that the initial performance test for mercury is completed or is required to be completed under 40 CFR 60.8, the owner or operator of an affected facility shall conduct a performance test for mercury emissions on a calendar year basis (no less than 9 calendar months and no more than 15 calendar months from the previous performance test; and must complete five performance tests in each 5-year calendar period).
- (10) The owner or operator of an affected facility where activated carbon injection is used to comply with the mercury emission limit shall follow the procedures specified in 40 CFR 60.58b(m) for measuring and calculating carbon usage.

[40 CFR 60.38b, 40 CFR 60.58b (d) and PSD-FL-105, 105A, 105B and 105C]

A.34. Mercury Emissions Test Method and Procedures. All mercury emissions tests performed pursuant to the requirements of this rule shall comply with the following provisions.

- a. The test method for mercury shall be EPA Method 29 adopted in Rule 62-297, F.A.C.
- b. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rule 62-296.416(3)(d), F.A.C.]

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- A.35. Mercury Emissions Testing.** Mercury emissions testing shall be conducted on a calendar year basis (no less than 9 calendar months and no more than 15 calendar months from the previous performance test; and must complete five performance tests in each 5-year calendar period). Mercury stack tests shall be performed downstream of control devices or upstream and downstream of the control devices when determining compliance with the alternative removal requirement. [PSD-FL-105(B) and (D)]
- A.36. Hydrogen Chloride.** HCl stack tests upstream and downstream of the control device(s) shall be conducted to calculate percent control to demonstrate compliance with the alternate removal limit. [PSD-FL-105(B)]
- A.37. Beryllium.** The test method for beryllium emissions shall be EPA Method 29, adopted and incorporated by reference in Rule 62-204.800, F.A.C. One sample shall constitute one test run. [PSD-FL-105(B)]
- A.38. Total Fluoride.** The test method for total fluoride emissions shall be EPA Method 13A, 13B, or modified Method 5 for fluorides, adopted and incorporated by reference in Rule 62-204.800, F.A.C. One sample shall constitute one test run. [PSD-FL-105(B) and PSD amendment 0112119-001-AC]

Recordkeeping and Reporting Requirements

- A.39. Reporting Schedule.** The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition(s)
Notice of Malfunctions	Quarterly	A.41.
Notice of Excess Emissions	Quarterly	A.42.
CEMS Excess Emissions Data	Quarterly	A.43.
CEMS Data Report	Quarterly	A.44.
Natural Gas and Fuel Oil Records	Monthly	A.45.
Charging Rate Monitoring	Daily	A.46.
Segregated Solid Waste Record Keeping	Daily	A.47.

- A.40. Other Reporting Requirements.** See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.
- A.41. Malfunctions.** In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the DEP Southeast District Office in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the DEP Southeast District Office. [Rule 62-210.700(6), F.A.C.]
- A.42. Excess Emissions.** The permittee shall submit to the Department a written report of emissions in excess of emission limiting standard for each calendar quarter. The nature and cause of the excess emissions shall be explained. This report does not relieve the owner or operator of the legal liability for violations. All recorded data shall be maintained on file by the Source for a period of five years. [Rule 62-213.440, F.A.C.]
- A.43. CEMS Excess Emissions Data Report.** An excess emissions report shall be submitted to EPA Region 4 and the DEP Southeast District Office for every calendar quarter. The report shall include the following:
 - a. The magnitude of excess emissions computed in accordance with 40 CFR 60.13(h), any conversion factors used, and the date and time of commencement and completion of each period of excess emissions.

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- b. Specific identification of each period of excess emissions that occurs during startups, shutdowns, and malfunctions of the furnace/boiler system. The nature and cause of any malfunction (if known) and the corrective action taken or preventative measures adopted shall also be reported.
- c. The date and time identifying each period during which the continuous monitoring system was inoperative except for zero and span checks, and the nature of the system repairs or adjustments.
- d. When no excess emissions have occurred or the continuous monitoring system has not been inoperative, repaired, or adjusted, such information shall be stated in the report.
- e. Permittee shall maintain a file of all measurements, including continuous monitoring systems performance evaluations; all continuous monitoring systems or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required by this permit recorded in a permanent form suitable for inspection.
- f. Excess emissions shall be defined as any applicable period during which the average emissions of CO, NO_x, and/or SO₂, as measured by the continuous monitoring system, exceeds the CO, NO_x, and/or SO₂ maximum emission limit (in ppm) or percent removal efficiency, as applicable, set for each pollutant in Specific Conditions A.14., A.17. and A.18. above.

[PSD-FL-105; Rules 62-204.800 and 62-213.440, F.A.C.; and, 40 CFR 60.7]

A.44. CEMS Data Report. Continuous emissions monitoring data shall be reported to the DEP Southeast District Office and EPA Region 4 on a quarterly basis in accordance with Rule 62-204.800(8), F.A.C. and 40 CFR 60.7.

[PSD-FL-105]

A.45. Natural Gas and Fuel Oil Records. Monthly records shall be maintained of the amount of natural gas and distillate fuel oil used by the auxiliary burners of each MSW unit, the equivalent heat input from natural gas and distillate fuel oil (calculated using the heat value for natural gas/fuel oil provided by the natural gas/fuel oil supplier), and the distillate fuel oil sulfur content (provided by fuel oil supplier). On an annual basis (no later than 30 days after the end of the calendar year), a demonstration must be performed based on the monthly records showing that the capacity factor for natural gas and distillate fuel oil for each unit was 10% or less. [Rule 62-213.440, F.A.C.]

A.46. Charging Rate Monitoring. The daily solid waste charging rate and hours of operation shall be determined and recorded for each MWC unit. The daily charging rate shall be determined each month on an average daily basis for each MWC unit using the Facility's truck scale weight data, refuse pit inventory and MWC operating data for the preceding calendar month. Monthly truck scale weight records on the weight of solid waste received and processed at the Facility and refuse pit inventory shall be used to determine the amount of solid waste charged during the preceding calendar month on an average daily basis. The MWC load level measurements or other operating data shall be used to determine the number of operating hours per MWC unit for each day during the preceding calendar month. [Rules 62-4.070 (3) and 62-213.440 F.A.C.; 40 CFR 60.58b(j); PSD-FL-105(B) and (D)]

A.47. Segregated Solid Waste Record Keeping. The following records shall be made and kept to demonstrate compliance with the segregated non-MSW percentage limitations of Specific Condition A.4.

- a. Each segregated load of non-MSW materials, that is subject to the percentage weight limitations of Specific Condition A.4. which is received for processing shall be documented as to waste description and weight. The weight of all waste materials received for processing shall be measured using the facility truck scale and recorded.
- b. Each day the total weight of segregated tires received shall be computed, and the daily total shall be added to the sum of the daily totals from the previous 29 days. The resultant 30 day total weight of tires shall be divided by the total weight of all waste materials received in the same 30 day period, and the resultant number shall be multiplied by 100 to express the ratio in percentage terms. The percentage computed shall be compared to the 3% limitation.

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- c. Each day the total weight of segregated non-MSW materials received that are subject to the 5% restriction shall be computed, and the daily total shall be added to the sum of the daily totals from the previous 29 days. The resultant 30 day total weight of segregated non-MSW materials shall be divided by the total weight of all waste materials received in the same 30 day period, and the resultant number shall be multiplied by 100 to express the ratio in percentage terms. The percentage computed shall be compared to the 5% limitation.

[PSD-FL-105(B)]

Other Requirements

- A.48. Federal Rule Requirements.** These units are subject to all applicable requirements of 40 CFR 60 Subpart Cb, Emissions Control Guidelines and Compliance Schedules for Municipal Solid Waste Combustors; 40 CFR 60 Subpart Eb, Standards of Performance for Large Municipal Waste Combustors; 40 CFR 61, and, Rule 62-296.416, F.A.C., Waste-to-Energy Facilities, except that where requirements in this permit are more restrictive, the requirements in this permit shall apply. [PSD-FL-105(B) and (D)]
- A.49. Acid Rain Part Application.** The designated representative shall submit a complete Acid Rain Part application to the Department before March 1 of the year following the three calendar year period in which the incinerator consumes 20 percent or more fossil fuel on a British thermal unit (BTU) basis. [Rule 62-214.320(1)(h), F.A.C.]
- A.50. Name Plate.** Each solid waste combustor shall have a metal name plate affixed in a conspicuous place on the shell showing manufacturer, model number, type waste, rated capacity and certification number. [PSD-FL-105]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Units 004 and 005

The specific conditions in this section apply to the following emissions units:

EU No.	Brief Description
004	236 Ton Lime Silo with Baghouse
005	Ash Handling System

Emissions unit 004 is a 236 ton capacity silo for storage of pebble lime. It is part of the spray dry absorber (SDA) system used for control of acid gases and sulfur dioxide emissions from the municipal waste combustion units. A supply truck pneumatically transfers pebble lime to the silo through a fill line. A Wheelabrator Air Pollution Control Jet III baghouse (Model No. 1016, BA-108) is used to control particulate matter emissions during silo filling. The baghouse parameters are as follows: stack height = 102 feet; exit dimensions (rectangular vent) = 2.67 x 1 feet; exit temperature = 40-100 °F, actual volumetric flow rate = 1,500 acfm. The initial startup date of the silo was February, 1992.

Emissions unit 005 is the Ash Handling System. It receives fly ash and spray dryer reaction products (i.e., calcium sulfate, calcium chloride, calcium hydroxide and calcium fluoride). Particulate matter and visible emissions from the ash handling system are controlled by wet processing in an enclosed building. The initial startup date of the ash handling system was April 5, 1991.

{Permitting Notes: Emissions units 004 and 005 are minor sources that were permitted under AC06-187000, AC06-187001 (March 12, 1991) and AO06-208864 and are regulated under Rule 62-210.300, F.A.C., Permits Required. Emissions unit 005 is also permitted under 0112119-003-AC.}

{Permitting Note: Emissions unit 005 is also subject to requirements of PSD-FL-105(B) and 40 CFR 60, Subpart Cb. The requirements of 40 CFR 60, Subpart Cb are stated in Subsection A. and referenced in this subsection.}

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity. The lime storage silo filling rate shall not exceed 50,000 lbs/hr of pebble lime. [Rule 62-4.070(3) F.A.C., and Permit No. 0112119-007-AC (revision of Permit No. AC 06-187000)]

B.2. Hours of Operation. Each unit may operate continuously, i.e., 8,760 hrs/yr. [Rules 62-213.440 and 62-210.200(PTE), F.A.C.; AC06-187000 and AC06-187001]

Control Technology

B.3. Ash Handling Facilities. The potential for dust generation by ash handling activities will be mitigated by quenching or conditioning the ash prior to loading in ash transport trucks. Ash handling facilities shall be enclosed (including the proposed future metal recovery area). Unprocessed refuse storage areas which must be open for operational purposes (e.g., tipping floor of the refuse bunker while trucks are entering and leaving) will be under negative air pressure. Residue from the grates, and grate siftings shall be discharged into the bottom ash quenching system, and ash from the combustor/boiler and fabric filter hoppers shall be discharged into the fly ash conditioning system during normal operations to minimize visible dust generation. The ash/residue in the Ash Handling Building shall remain sufficiently moist to minimize dust during storage and handling operations. Compliance with this condition shall be determined in accordance with Specific Condition B.7. [PSD-FL-105(B)]

Emission Limitations and Standards

{Permitting Note: The attached Table 1, Summary of Air Pollutant Standards, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Units 004 and 005

Unless otherwise specified, the averaging times for Specific Conditions **B.4.-B.7.** are based on the specified averaging time of the applicable test method.

B.4. Particulate Matter Emissions. Particulate matter emissions from the lime silo baghouse (E.U. 004) shall not exceed 0.010 gr./dscf, nor 0.021 tons/year. [AC06-187000 and AC06-187001]

B.5. Visible Emissions. Visible emissions from the lime silo (E.U. 004) shall not exceed 5% opacity. [Rule 62-297.620(4), F.A.C., and AC06-187000 & AC06-187001]

B.6. Ash Handling Emission Points and Ash Processing Equipment. All conveyor loading points, transfer points and all ash processing equipment shall be properly enclosed. The facility shall be operated by personnel properly trained for the equipment herein. [AC06-187000 and AC06-187001]

B.7. Fugitive Ash Emissions.

- a. No owner or operator of an affected facility shall cause to be discharged to the atmosphere visible emissions of combustion ash from an ash conveying system (including conveyor transfer points) in excess of 5 percent of the observation period (i.e., 9 minutes per 3-hour period), as determined by EPA Reference Method 22 observations as specified in 40 CFR 60.58b(k), except as provided in paragraphs b. and c.
- b. The emission limit specified in paragraph a. does not cover visible emissions discharged inside buildings or enclosures of ash conveying systems; however, the emission limit specified in paragraph a. does cover visible emissions discharged to the atmosphere from buildings or enclosures of ash conveying systems (including conveyor transfer points).
- c. The provisions of paragraph a. do not apply during maintenance and repair of ash conveying systems.

[40 CFR 60.36b and 40 CFR 60.55b; and PSD-FL-105(B)]

Excess Emissions

Rule 62-210.700 (Excess Emissions), F.A.C., cannot vary any requirement of an NSPS, NESHAP or Acid Rain program provision.

B.8. Excess Emissions Allowed. Excess emissions resulting from startup, shutdown or malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]

B.9. Excess Emissions Prohibited. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

Test Methods and Procedures

{Permitting Note: The attached Table 2, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.10. Test Methods. Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5	Method for Determining Particulate Matter Emissions (All PM is assumed to be PM ₁₀ .)
9	Visual Determination of the Opacity of Emissions from Stationary Sources
22	Determination of Fugitive Opacity

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection B. Emissions Units 004 and 005

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [AC06-187000 & AC06-187001]

- B.11. Annual Compliance Tests Required.** Annual visible emissions compliance tests shall be performed for each emissions unit. [Rule 62-297.310(7), F.A.C.]
- B.12. Compliance Tests Prior To Renewal.** Compliance tests shall be performed for PM from emissions unit 004 once every 5 years. The tests shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emission limits in Specific Condition **B.4.** [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]
- B.13. Visible Emissions.** The test method for visible emissions shall be EPA Method 9, adopted and incorporated in Rule 62-204.800, F.A.C. The visible emissions tests for the lime silo shall be conducted for the entire truck unloading operation. [AC06-187000 and AC06-187001]
- B.14. Particulate Matter Emissions.** The test method for particulate matter emissions for all units shall be EPA Method 5, adopted and incorporated in Rule 62-204.800, F.A.C. [AC06-187000 & AC06-187001]
- B.15. Fugitive Ash.** See Specific Condition **B.7.** [Rule 62-213.440, F.A.C.]

Recordkeeping and Reporting Requirements

B.16. Reporting Schedule. The following reports and notifications shall be submitted to the Compliance Authority:

Report	Reporting Deadline	Related Condition(s)
Excess Emissions From Malfunctions	Quarterly	B.17.

B.17. Excess Emissions From Malfunctions. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the DEP Southeast District Office in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the DEP Southeast District Office. [Rule 62-210.700(6), F.A.C.]

SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary.

Appendix I, List of Insignificant Emissions Units and/or Activities.

Appendix NESHAP, Subpart A – General Provisions.

Appendix NESHAP, Subpart ZZZZ – Stationary Reciprocating Internal Combustion Engines.

Appendix NSPS, Subpart A – General Provisions.

Appendix NSPS, Subpart Cb – Emissions Guidelines and Compliance Times for Large Municipal Waste Combustors.

Appendix NSPS, Subpart Eb – Standards of Performance for Large Municipal Waste Combustors.

Appendix RR, Facility-wide Reporting Requirements.

Appendix TR, Facility-wide Testing Requirements.

Appendix TV, Title V General Conditions.

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

- Figure 1, Summary Report-Gaseous and Opacity Excess Emission and Monitoring System Performance (40 CFR 60, July, 1996).
- Table H, Permit History.
- Table 1, Summary of Air Pollutant Standards and Terms.
- Table 2, Compliance Requirements.

Table 1, Summary of Air Pollutant Standards and Terms

Wheelabrator South Broward, Inc.
 South Broward Waste-to-Energy Facility

Permit No. 0112119-015-AV
Facility ID No. 0112119

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of the permit.

E. U. ID No	Brief Description	Pollutant Name	Fuel(s)	Hours/Year	Allowable Emissions			Equivalent Emissions*		Regulatory Citation(s)	See Permit Condition(s)
					Standard(s)	lbs./hour	TPY	lbs./hour	TPY		
001	Municipal Solid	VE	MSW	8760	10%			N/A	N/A	40 CFR 60.33b(a)(1)(iii)	A.10.
002	Waste (MSW) Combustors	VE - Fugitive Ash		8760	5%			N/A	N/A	40 CFR 60.36b	A.19.
003	(192,000 lbs/hr - steam) (863 TPD - MSW) (323.6 MMBtu/hour-MSW) per unit	PM ¹	MSW	8760	25/27 mg/dscm			7.49/7.85	32.8/34.4	40 CFR 60.33b(a)(1)(i)/PSD-FL-105	A.9.
		PM ₁₀ ¹	MSW	8760	25/27 mg/dscm			7.49/7.85	32.8/34.4	40 CFR 60.33b(a)(1)(i)/PSD-FL-105	A.9.
		CO ¹	MSW	8760	100 ppm _v			33.9	148.5	40 CFR 60.34b(a)	A.18.
		NO _x ¹	MSW	8760	205 ppm _v			114	499	40 CFR 60.33b(d)	A.17.
		SO ₂ ^{1,2}	MSW	8760	29 ppm _v or 75% reduction			35.10	153.70	40 CFR 60.33b(b)(3)(i)	A.14.
		HCl ^{1,2}	MSW	8760	29 ppm _v or 95% reduction			12.60	55	40 CFR 60.33b(b)(3)(ii)	A.15.
		dioxin/furan ¹	MSW	8760	30 ng/dscm (total mass)			8.7E-06	3.8E-05	40 CFR 60.33b(c)(1)(ii)	A.16.
		Cd ¹	MSW	8760	0.035/0.040 mg/dscm			0.011/0.012	0.046/0.051	40 CFR 60.33b(a)(2)(i)/PSD-FL-105	A.11.
		Hg ^{1,2}	MSW	8760	0.050/0.070 mg/dscm or 85% reduction			0.015/0.020	0.066/0.09	Rule 62-296.416(3)(b)1.b., F.A.C./	A.12.
		Pb ¹	MSW	8760	0.40/0.44 mg/dscm			0.12/0.14	0.53/0.62	40 CFR 60.33b(a)(4)/PSD-FL-105	A.13.
Be ¹	MSW	8760	0.001 mg/dscm			3.00E-04	1.20E-03	PSD-FL-105(B)	A.20.		
	Fl	MSW	8760	.0040 lb/mmbtu			1.29	5.66	PSD-FL-105	A.21.	
004	Lime Silo	VE		8760	shall not exceed 5%			N/A	N/A	Rule 62-297.620(4), F.A.C.	B.5.
		PM		8760	0.010 gr/dscf		0.021	0.13		AC 187000	B.4.
005	Ash Handling System	VE		8760	shall not exceed 5%			N/A	N/A	40 CFR 60.36b	B.7.

Notes:

* The "Equivalent Emissions" listed are for informational purposes.

1. Corrected to 7% O₂
2. Whichever is least stringent.

Table 2, Summary of Compliance Requirements

Wheelabrator South Broward, Inc.
South Broward Waste-to-Energy Facility

Permit No. **0112119-015-AV**
 Facility ID No. 0112119

This table summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.

E. U. ID No.	Brief Description	Pollutant Name or Parameter	Fuel(s)	Compliance Method	Testing	Frequency	Min. Compliance	CMS ¹	See Permit Condition(s)
					Time Frequency	Base Date	Test Duration		
001	Municipal Solid Waste (MSW) Combustors (192,000 lbs/hr - steam) (863 TPD - MSW) (323.6 MMBtu/hour - MSW)	VE	MSW	EPA Method 9	Annually		30 minutes	Yes	A.29.
002		VE- Fugitive Ash		EPA Method 22	Annually		1 hour	No	A.29.
003		PM							A.29.
		PM ₁₀	MSW	EPA Method 5	Annually		1 hour	No	A.29.
		CO	MSW	EPA Method 10, 10A, 10B	Daily		1 hour	Yes	A.29.
		NO _x	MSW	EPA Method 19	Daily		1 hour	Yes	A.29.
		SO ₂	MSW	EPA Method 19	Daily		1 hour	Yes	A.29.
		HCl	MSW	EPA Method 26, 26A	Annually		1 hour	No	A.29.
		dioxin/furan	MSW	EPA Method 23	Annually ²		N/A	No	A.29.
		Cd	MSW	EPA Method 29	Annually		1 hour	No	A.29.
		Hg	MSW	EPA Method 29 or 101A	Annually		1 hour	No	A.29.
		Pb	MSW	EPA Method 29 or 12	Annually		1 hour	No	A.29.
		Be	MSW	EPA Method 29	Every 5 years		N/A	No	A.29.
	Fl	MSW	EPA Method 13A, 13B	Every 5 years		1 hour	No	A.29.	
004	Lime Silo	VE		EPA Method 9	Annually		30 minutes	No	B.10.
		PM		EPA Method 5	Every 5 years ³		1 hour	No	B.10.
005	Ash Handling	VE		EPA Method 22	Annually		1 hour	No	B.10.

Notes:

- CMS [=] continuous monitoring system used for monitoring requirement in lieu of fuel sampling and analysis if marked 'yes'.
 (Acceptable as long as CMS is maintained and calibrated as required.)
- Test at least one unit annually, subject to 40 CFR 60.38b(b) and 40 CFR 60.58b(g) requirements.
- Particulate matter tests are not required unless visible emissions tests indicate standards have been violated.

Table H, Permit History

Wheelabrator South Broward, Inc.
South Broward Waste-to-Energy Facility

Permit No.: 0112119-015-AV
Facility ID No.: 0112119

E.U. ID No.	Description	Permit No.	Effective Date	Expiration Date	Project Type ¹
001, 002 and 003	Municipal Solid Waste Combustors	PSD-FL-105 PA 85-21 0112119-001-AC	05/15/87 05/22/97 09/28/99 06/03/86 04/17/91 03/25/96	 03/25/01	Construction (new) Construction (mod.) Construction (mod.) Construction (new) Construction (mod.) Construction (new)
004	Lime Silo	AC06-187000 AO06-208864 0112119-007-AC	03/12/91 05/04/92	02/28/92 04/30/97	Construction (new) Operation Construction (mod.)
005	Ash Handling System	AC06-187001 AO06-208864 0112119-003-AC	03/12/91 05/04/92 10/24/00	02/28/92 04/30/97 10/24/05	Construction (new) Operation Construction (mod.)
All	Municipal Solid Waste Facility	0112119-001-AC 0112119-002-AV 0112119-003-AC 0112119-004-AV 0112119-005-AV 0112119-006-AV 0112119-007-AC 0112119-008-AV	03/25/96 10/22/00 10/24/00 withdrawn 05/15/01 10/16/02 9/28/04 12/8/04	03/25/01 10/21/05 10/24/05 withdrawn 10/21/05 10/21/05 12/31/04 12/8/09	To allow alternate Nitrogen 7E Test Method Initial Title V To remove baghouse from ash handling system To install wet scrubbers To remove obsolete conditions in the Title V permit To allow 15 hours excess CO emissions To increase the pebble lime filling rate to 50,000 lb/hr To increase the pebble lime filling rate to 50,000 lb/hr
All	Municipal Solid Waste Facility	0112119-009-AV	2/23/2006	2/23/2011	Title V Renewal
All	Municipal Solid Waste Facility	0112119-010-AC	10/30/2008	06/30/2009	Installation of Carbon Activated System
All	Municipal Solid Waste Facility	0112119-011-AV	5/18/2009	2/23/2011	Revision of 0112119-009-AV
All	Municipal Solid Waste Facility	0112119-012-AC			Case by Case exemption
All	Municipal Solid Waste Facility	0112119-013-AC	12/11/2009	03/30/2010	Modification of Specific Conditions of PSD-FL-105B
All	Municipal Solid Waste Facility	0112119-014-AV	12/11/2009	2/23/2011	Revision of Title V Permit 0112119-011-AV

¹ Project Type (select one): Title V: Initial, Revision, Renewal, or Admin. Correction; Construction (new or mod.); or, Extension (AC only).

P.E. CERTIFICATION STATEMENT

PERMITTEE

Wheelabrator South Broward, Inc.
4400 South State Road 7
Fort Lauderdale, Florida 33414

Permit No. 0112119-015-AV
Facility ID No. 0112119
South Broward Waste-to-Energy Facility
Title V Air Operation Permit Renewal
Broward County, Florida

PROJECT DESCRIPTION

The main purpose of this project is to renew Title V air operation permit No. 0112119-014-AV. There are no significant changes to the current permit. The renewal permit incorporates the latest approved format. A draft/proposed Title V air operation was issued for this project on November 18, 2010, however certain pollutant emission limits were inadvertently omitted. This revised draft/proposed permit corrects this oversight and replaces the draft/proposed permit previously issued on November 18, 2010.

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, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).

This review was conducted by Tom Cascio under my responsible supervision.


Jonathan K. Holtom, P.E.

Registration Number: 0052664


Date: 12/17/10

Friday, Barbara

To: jgosine@wm.com
Cc: Anderson, Lennon; 'KKosky@Golder.com'; 'Kathleen Forney'; Ana Oquendo; Gibson, Victoria; Cascio, Tom; Holtom, Jonathan
Subject: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV
Attachments: 0112119015AVSignedWrittenNoticeofIntent.pdf

Dear Sir/ Madam:

Attached is the official **Written Notice of Intent to Issue Air 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: Tom Cascio

Owner/Company Name: WHEELABRATOR SOUTH BROWARD, INC
Facility Name: WHEELABRATOR SOUTH BROWARD
Project Number: 0112119-015-AV
Permit Status: REVISED DRAFT/PROPOSED
Permit Activity: PERMIT RENEWAL
Facility County: BROWARD

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

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0112119.015.AV.R_pdf.zip

“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. Access these documents by clicking on the link provided above, or search for other project documents using the “*Air Permit Documents Search*” website at <http://www.dep.state.fl.us/air/emission/apds/default.asp> .”

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

Barbara Friday
Bureau of Air Regulation
Division of Air Resource Management (DARM)
(850)921-9524

Friday, Barbara

From: Gosine, Jairaj [jgosine@WM.com]
Sent: Wednesday, December 22, 2010 1:35 PM
Subject: Read: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Your message was read on Wednesday, December 22, 2010 1:34:57 PM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Gosine, Jairaj [jgosine@WM.com]
Sent: Wednesday, December 22, 2010 1:37 PM
To: Friday, Barbara
Cc: Faller, Chuck
Subject: RE: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Dear Ms. Friday.

5 page document received.

Thank you,
Jairaj

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Wednesday, December 22, 2010 1:27 PM
To: Gosine, Jairaj
Cc: Anderson, Lennon; KKosky@Golder.com; Kathleen Forney; Ana Oquendo; Gibson, Victoria; Cascio, Tom; Holtom, Jonathan
Subject: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Dear Sir/ Madam:

Attached is the official **Written Notice of Intent to Issue Air 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: Tom Cascio

Owner/Company Name: WHEELABRATOR SOUTH BROWARD, INC
Facility Name: WHEELABRATOR SOUTH BROWARD
Project Number: 0112119-015-AV
Permit Status: REVISED DRAFT/PROPOSED
Permit Activity: PERMIT RENEWAL
Facility County: BROWARD

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

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0112119.015.AV.R_pdf.zip

“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. Access these documents by clicking on the link provided above, or search for other project documents using the “*Air Permit Documents Search*” website at <http://www.dep.state.fl.us/air/emission/apds/default.asp> . “

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

Barbara Friday
Bureau of Air Regulation
Division of Air Resource Management (DARM)
(850)921-9524

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Mimi Drew is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.

Waste Management recycles enough paper every year to save 41 million trees. Please recycle any printed emails.

Friday, Barbara

From: Mail Delivery System [MAILER-DAEMON@mx1.golder.com]
To: KKosky@Golder.com
Sent: Wednesday, December 22, 2010 1:26 PM
Subject: Relayed: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

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

KKosky@Golder.com

Subject: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Friday, Barbara

From: Kosky, Ken [Ken_Kosky@golder.com]
To: Friday, Barbara
Sent: Wednesday, December 29, 2010 10:14 AM
Subject: Read: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Your message was read on Wednesday, December 29, 2010 10:13:44 AM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Mail Delivery System [MAILER-DAEMON@mseive02.rtp.epa.gov]
To: forney.kathleen@epa.gov
Sent: Wednesday, December 22, 2010 1:27 PM
Subject: Relayed: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

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

forney.kathleen@epa.gov

Subject: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Friday, Barbara

From: Mail Delivery System [MAILER-DAEMON@mseive02.rtp.epa.gov]
To: Oquendo.Ana@epamail.epa.gov
Sent: Wednesday, December 22, 2010 1:27 PM
Subject: Relayed: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

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

Oquendo.Ana@epamail.epa.gov

Subject: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Friday, Barbara

From: Microsoft Exchange
To: Cascio, Tom; Holtom, Jonathan; Gibson, Victoria; Anderson, Lennon
Sent: Wednesday, December 22, 2010 1:26 PM
Subject: Delivered: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Your message has been delivered to the following recipients:

Cascio, Tom

Holtom, Jonathan

Gibson, Victoria

Anderson, Lennon

Subject: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Sent by Microsoft Exchange Server 2007

Friday, Barbara

From: Cascio, Tom
To: Friday, Barbara
Sent: Wednesday, December 22, 2010 3:41 PM
Subject: Read: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Your message was read on Wednesday, December 22, 2010 3:40:53 PM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Gibson, Victoria
To: Friday, Barbara
Sent: Wednesday, December 22, 2010 1:30 PM
Subject: Read: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Your message was read on Wednesday, December 22, 2010 1:29:41 PM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Anderson, Lennon
To: Friday, Barbara
Sent: Wednesday, December 22, 2010 1:53 PM
Subject: Read: WHEELABRATOR SOUTH BROWARD, INC. - SOUTH BROWARD WASTE-TO-ENERGY FACILITY; 0112119-015-AV

Your message was read on Wednesday, December 22, 2010 1:53:14 PM (GMT-05:00) Eastern Time (US & Canada).