

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

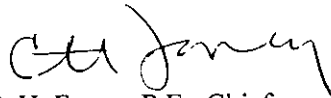
Mr. Randy Cole, General Manager
Cedar Bay Generating Company, L.P.
P.O. Box 26324
Jacksonville, Florida 32226

DEP File No. 0310337-004-AC / PSD-FL-137E
Cedar Bay Cogeneration Facility
Duval County

Enclosed is Final Permit Number 0310337-004-AC. This permit authorizes Cedar Bay Generating Company to decommission the facility's ash pelletizer equipment and to remove all associated references from the PSD permit. The ash pelletizer has never been commercially operational; therefore, its removal will not result in an increase of fugitive particulate matter emissions during ash loadout. Ash will continue to be loaded into capped rail cars and/or closed trucks. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.


C. H. Fancy, P.E., Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

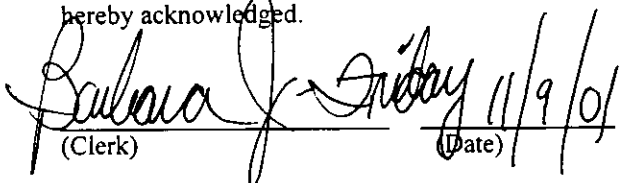
The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 11/9/01 to the person(s) listed:

Mr. Randy Cole, Cedar Bay Generating Company *
Mr. Jeffery Walker, Cedar Bay Generating Company
Mr. Chris Kirts, P.E., DEP-NED
Mr. Richard Robinson, P.E., RESD
Mr. Gregg Worley, EPA

11/9/01 cc: Jonathan Holcomb
Reading File

Clerk Stamp

FILED AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk) Friday 11/9/01
(Date)

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits.		A. Received by (Please Print Clearly) Shelly Arnold B. Date of Delivery 11/10 C. Signature <i>[Signature]</i> ☐ Agent ☐ Addressee D. Is delivery address different from item 1? ☐ Yes If YES, enter delivery address below: ☐ No	
1. Article Addressed to: Mr. Randy Cole General Manager Cedar Bay Generating Company, L.P. P.O. Box 26324 Jacksonville, FL 32226		3. Service Type ☒ Certified Mail ☐ Express Mail ☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.	
		4. Restricted Delivery? (Extra Fee) ☐ Yes	
2. Article Number (Copy from service label) 7000 0520 0020 9371 1748			

PS Form 3800, July 1990

7000 0520 0020 9371 1748

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
Mr. Randy Cole, General Manager	
Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$
Postmark Here	
Recipient's Name (Please Print Clearly) (To be completed by mailer) Mr. Randy Cole, General Manager Street, Apt. No., or PO Box No. P.O. Box 26324 City, State, ZIP+4 Jacksonville, Florida 32226	
PS Form 3800, February 2000 See Reverse for Instructions	

FINAL DETERMINATION

Cedar Bay Generating Company
Cedar Bay Cogeneration Facility
DEP File No. 0310337-004-AC/PSD-FL-137E

The Department distributed a public notice package on August 27, 2001, to allow the applicant to decommission the facility's ash pelletizer equipment and to remove all associated references from the PSD permit. The ash pelletizer has never been commercially operational; therefore, its removal will not result in an increase of fugitive particulate matter emissions during ash loadout. Ash will continue to be loaded into capped rail cars and/or closed trucks at the Cedar Bay Cogeneration Facility, located at 9640 Eastport Road, Jacksonville, Duval County. The Public Notice of Intent to Issue was published in The Florida Times Union on September 6, 2001.

COMMENTS/CHANGES

No comments were received by the Department regarding this project.

CONCLUSION

The final action of the Department is to issue the permit as it was noticed.



Jeb Bush
Governor

Department of Environmental Protection

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

David B. Struhs
Secretary

November 7, 2001

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Randy Cole, General Manager
Cedar Bay Generating Company, L.P.
P.O. Box 26324
Jacksonville, Florida 32226

Re: Cedar Bay Cogeneration Facility
DEP File No. 0310337-004-AC/PSD-FL-137E

Dear Mr. Cole:

The Department reviewed your letter dated March 16, 2001, requesting the deletion of the ash pelletizer and associated equipment at the referenced facility. Your request to retire the ash pelletizing operation is acceptable to the Department. All references to the below listed units will be removed from the appropriate version of your PSD permit.

Description	Control Device	Title V E.U. ID No.
Bed Ash Receiver (Pelletizer Bed Ash Receiver Bin)	Baghouse A-7	-013
Fly Ash Receiver (Pelletizer Fly Ash Receiver Bin)	Baghouse A-8	-014
Pellet Vibratory System	Baghouse A-17	-015
Pellet Recycle Tank	Baghouse A-10	-016
Pelletizing Recycle Hopper	Baghouse A-9	-017
Cured Pellet Screening Conveyor System	Baghouse A-14	-018
Pellet Recycle Conveyor	Baghouse A-16	-019
Ash Pellet Hydrator	Baghouse A-11	-021
Ash Pellet Curing Silos	Baghouse A-13	-022
Ash Pelletizing Pans	Baghouse A-12	-023
Pelletizing Rail Loadout (Pellet Railcar Loadout)	Baghouse A-15	-029

Permit No. PSD-FL-137B was issued on August 8, 1995, to make minor amendments to the material handling systems for ash pelletizing, coal unloading, dry ash loading and removal, and limestone pulverizer/conveyor that were authorized in permit No. PSD-FL-137A. Permit No. PSD-FL-137C was issued on June 4, 1996, to also make minor amendments to the same material handling operations.

Please note that the PSD revision issued March 9, 2000, referenced as "Modification of Permit No. PSD-FL-137", should have been referenced as "DEP File No. PSD-FL-137D, Modification of Permit No. PSD-FL-137A". This revision did not make any amendments to the material handling operations.

As a result of the above request, Permit Nos. PSD-FL-137A, B & C are hereby modified as follows:

"More Protection, Less Process"

Printed on recycled paper.

PSD-FL-137A

Specific Condition II.1.B.1. is changed:

FROM:

II.1.B.1. The material handling and treatment operations, including coal and limestone unloading buildings, coal and limestone reclaim hoppers, coal crusher house, limestone dryers, fly and bed ash silos, ash pelletizer, pellet curing silo, coal and limestone day silos, conveyors, storage areas and related equipment, may be operated continuously, i.e. 8760 hrs/yr, except that the limestone crushers/dryers may be operated for a maximum of 11 hours per day (maximum of 2920 hrs/yr) at maximum capacity.

TO:

II.1.B.1. The material handling and treatment operations, including coal and limestone unloading buildings, coal and limestone reclaim hoppers, coal crusher house, limestone dryers, fly and bed ash silos, coal and limestone day silos, conveyors, storage areas and related equipment, may be operated continuously, i.e. 8760 hrs/yr, except that the limestone crushers/dryers may be operated for a maximum of 11 hours per day (maximum of 2920 hrs/yr) at maximum capacity.

Specific Condition II.1.B.4. is changed:

FROM:

II.1.B.4. Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building	Bed Ash Bin
Coal Silo Conveyor	Fly Ash Bin
Limestone Pulverizer/Conveyor	Pellet Vibratory Screen
Limestone Storage Bin	Pelletizing Ash Recycle Tank
Bed Ash Hopper	Pelletizing Recycle Hopper
Bed Ash Silo	Cured Pellet Recycle Conveyor
Fly Ash Silo	Pellet Recycle Conveyor

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant requested limitation which is more stringent than what is allowed by Rule 17.296.711, F.A.C.). Since these sources are RACT standard type, then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Rule 17-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version).

b. The PM emissions from the following process, equipment, and/or facility in the material handling and treatment area sources shall be controlled using wet suppression/removal techniques as follows:

Coal Car Unloading
Ash Pellet Hydrator
Ash Pellet Curing Silo
Ash Pelletizing Pan

The above listed sources are subject to a visible emission (VE) and a particulate matter (PM) limitation of 5% opacity and 0.01 gr/dscf (applicant requested limitation which is more stringent than what is allowed by rule), respectively, in accordance with Rule 17-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE and PM using EPA Methods 9 and 5, respectively, in accordance with Chapter 17-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version).

TO:

II.1.B.4. Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building	Limestone Pulverizer/Conveyor
Coal Silo Conveyor	Limestone Storage Bin
Bed Ash Hopper	Fly Ash Silo
Bed Ash Silo	

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C.). Since these sources are RACT standard type, then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A.

b. The PM emissions from the following process, equipment, and/or facility in the material handling and treatment area sources shall be controlled using wet suppression/removal techniques as follows:

Coal Car Unloading

The above listed source is subject to a visible emission (VE) and a particulate matter (PM) limitation of 5% opacity and 0.01 gr/dscf (applicant requested limitation which is more stringent than what is allowed by rule), respectively, in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE and PM using EPA Methods 9 and 5, respectively, in accordance with Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A.

PSD-FL-137B

Specific Condition II.B.4. is changed:

FROM:

II. B. 4. Material handling sources shall be regulated as follows:

a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building
Coal Silo Conveyor
Limestone Pulverizer (2) /Conveyors
Limestone Storage Bins (2)

Bed Ash Hopper
 Bed Ash Separator
 Bed Ash Silo Vent
 Fly Ash Silo Vent
 Fly Ash Separators (2)
 Bed Ash Receiver
 Fly Ash Receiver
 Pellet Vibratory System
 Pellet Recycle Tank
 Cured Pellet Screening Conveyor System
 Pellet Recycle Conveyor
 Pelletizing Rail Loadout

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant-requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C.). Since these sources are RACT standard type, then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Rule 62-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version).

- b. The PM emissions from the following process equipment, and/or facility in the material handling and treatment area sources shall be controlled as follows:

Ash Pellet Hydrator:	Scrubber
Ash Pellet Curing Silos:	Scrubber
Ash Pelletizing Pan:	Scrubber

The above listed sources are subject to a visible emissions (VE) and a particulate matter (PM) emissions limitation requirement of 5 percent % opacity and 0.01 gr/dscf (applicant requested limitation which is more stringent than what is allowed by rule), respectively, in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE and PM using EPA Methods 9 and 5, respectively, in accordance with Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version).

- c. Fugitive emissions from the following material handling and transport sources shall be controlled as follows:

Coal Car Unloading:	Wet Suppression using continuous water sprays during unloading.
Dry Ash Rail Car Loadout:	Using closed or covered containers under negative air pressures during ash loadout; and using water sprays prior to removal of rail car loadout cap when loading open rail cars.

The above listed sources are subject to a visible emission (VE) limitation requirement of 5 percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE using EPA method 9 or other FDEP approved methods in accordance with Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version). Initial visible emissions testing shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after completion of construction of the source, whichever occurs last. Ash shipped in open rail cars will either be pelletized or be sprayed with water to create a crust on the top layer of non-pelletized ash. Removal of bottom and fly ash from the Project site by any means other than by rail shall require the prior approval of DEP and RESD of the method(s) of fugitive emissions control.

TO:

II. B. 4. Material handling sources shall be regulated as follows:

- a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building
Coal Silo Conveyor
Limestone Pulverizer (2) /Conveyors
Limestone Storage Bins (2)
Bed Ash Hopper
Bed Ash Separator
Bed Ash Silo Vent
Fly Ash Silo Vent
Fly Ash Separators (2)

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant-requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C.). Since these sources are RACT standard type, then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 pursuant to Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A.

- b. Fugitive emissions from the following material handling and transport sources shall be controlled as follows:

Coal Car Unloading:	Wet Suppression using continuous water sprays during unloading.
Dry Ash Rail Car loadout:	Using closed or covered containers under negative air pressures during ash loadout; and using water sprays prior to removal of rail car loadout cap when loading open rail cars.

The above listed sources are subject to a visible emission (VE) limitation requirement of 5 percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance tests shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A. Initial visible emissions testing shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after completion of construction of the source, whichever occurs last. Ash shipped in open rail cars will be sprayed with water to create a crust on the top layer of ash. Removal of bottom and fly ash from the Project site by any means other than by rail shall require the prior approval of DEP and RESD of the method(s) of fugitive emissions control.

PSD-FL-137C

Specific Condition II.B.4. is changed:

FROM:

II. B. 4. Material handling sources shall be regulated as follows:

- a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

Coal Crusher Building
Coal Silo Conveyor
ADS Trains (2)
ADS Storage Bins (2)
Bed Ash Hopper
Bed Ash Separator
Bed Ash Silo Vent
Fly Ash Silo Vent
Fly Ash Separators (2)
Bed Ash Receiver
Fly Ash Receiver
Pellet Vibratory System
Pellet Recycle Tank
Cured Pellet Screening Conveyor System
Pellet Recycle Conveyor
Pelletizing Rail Loadout
Dry Ash Rail Car Loadout

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant-requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C.). Since these sources are RACT standard type then a one-time verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Method 5 or Method 17 pursuant to Rule 62-297, F.A.C., and 40 CFR 60, Appendix A (July, 1992 version). Initial performance test shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after final completion of construction of the source, whichever comes last.

The dry ash loadout system and the pelletizer system shall not be operated simultaneously.

TO:

II. B. 4. Material handling sources shall be regulated as follows:

- a. The material handling and treatment area sources with either fabric filter or baghouse controls are as follows:

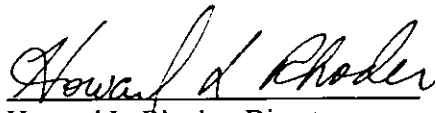
Coal Crusher Building
Coal Silo Conveyor
ADS Trains (2)
ADS Storage Bins (2)
Bed Ash Hopper
Bed Ash Separator
Bed Ash Silo Vent
Fly Ash Silo Vent
Fly Ash Separators (2)
Dry Ash Rail Car Loadout

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr/dscf (applicant-requested limitation which is more stringent than what is allowed by Rule 62-296.711, F.A.C.). Since these sources are RACT standard type, then a one-time

verification test on each source shall be required for PM mass emissions to demonstrate that the baghouse control systems can achieve the 0.003 gr/dscf. The performance tests shall be conducted using EPA Methods 5 or 17 pursuant to Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A. Initial performance tests shall be conducted within 90 days after final DEP approval of these facilities or within 90 days after final completion of construction of the source, whichever comes last.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit) has the right to seek judicial review of it under Section 120.68, F.S., by the filing of a Notice of Appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within (thirty) days after this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Howard L. Rhodes, Director
Division of Air Resources Management

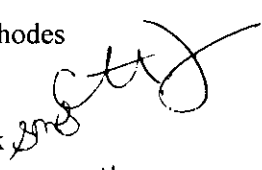
11/8/01
Effective Date

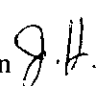
B.A.R.

Florida Department of
Environmental Protection

Memorandum

TO: Howard L. Rhodes

THRU: Clair Fancy 
Scott Sheplak 

FROM: Jonathan Holtom 

DATE: November 6, 2001

SUBJECT: Final Construction Permit for Cedar Bay Cogeneration Facility.
Permit Number 0310337-004-AC/PSD-FL-137E

Attached for your approval and signature is a Final construction permit/PSD revision for the Cedar Bay Generating Company's Cedar Bay Cogeneration Facility. This project is being issued to decommission the facility's ash pelletizer equipment and to remove all associated references from the PSD permit. The ash pelletizer has never been commercially operational; therefore, its removal will not result in an increase of fugitive particulate matter emissions during ash loadout. Ash will continue to be loaded into capped rail cars and/or closed trucks.

The Public Notice requirements were met on September 6, 2001, by publishing in The Florida Times Union. No comments have been received from the public in response to this Public Notice, and no petitions were filed for an Administrative Hearing. Two comments were received from the applicant for changes/additions to the PSD permit, but it has been determined that these changes are outside of the scope of this project. The project was stalled for about a month while the applicant evaluated whether to reissue the Draft permit for this project to include the two changes or whether to address these issues in their PSD revision to allow the firing of petcoke (submitted on September 29 and deemed incomplete). As it turned out, Cedar Bay submitted a new application on October 26 to address these issues separately and has requested that we now finalize this project.

The applicant waived the time clock for this project in order to facilitate a combined processing and public notice with the DRAFT Title V Air Operation Permit Revision. The waiver was necessary because the applicant failed to submit the two applications at the same time, and because the Title V application was not a complete application when first submitted. The Title V application was made complete on August 6. The two draft permits and combined Notice of Intent was issued on August 27.

I recommend your approval and signature.

Attachments

/jh