

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

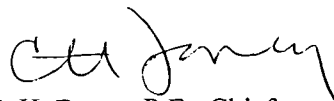
Mr. Randy Cole, General Manager
Cedar Bay Generating Company, L.P.
P.O. Box 26324
Jacksonville, Florida 32226

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

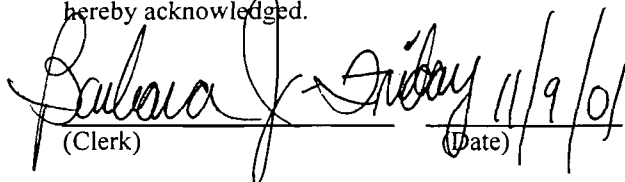
The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 11/9/01 to the person(s) listed:

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 Holton
Reading File

Clerk Stamp

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


(Clerk) 11/9/01
(Date)

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> 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
1. Article Addressed to: Mr. Randy Cole General Manager Cedar Bay Generating Company, L.P. P.O. Box 26324 Jacksonville, FL 32226	C. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
2. Article Number (Copy from service label) 7000 0520 0020 9371 1748	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

PS Form 3800, July 1999 Domestic Return Receipt PSN 7530-00-M-00

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
7000 0520 0020 9371 1748	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.



Department of Environmental Protection

Jeb Bush
Governor

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:

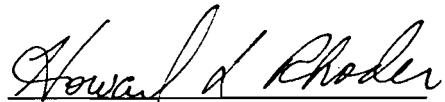
- Coal Crusher Building
- Coal Silo Conveyor
- ADS Trains (2)
- ADS Storage Bins (2)
- Bed Ash Hopper
- Bed Ash Separator
- Bed Ash Silo Vent
- Fly Ash Silo Vent
- Fly Ash Separators (2)
- Dry Ash Rail Car Loadout

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


BAR

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



**PG&E National
Energy Group.**

Cedar Bay
Generating Plant
Owner: Cedar Bay Generating Company, L.P.

Jonathan Holton

RECEIVED

SEP 11 2001

POB 26324
Jacksonville, FL 32226-6324

904.751.4000
Fax: 904.751.7320

BUREAU OF AIR REGULATION

September 10, 2001

Mr. C.H. Fancy, P.E.
Florida Department of Environmental Protection
Bureau of Air Regulation
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Cedar Bay Air Construction/PSD Permit and Title V Permit Revision

Dear Mr. Fancy

Pursuant to the instructions in your letter dated August 20, 2001, Cedar Bay submits the Affidavit of Publication for the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION". The notice was published in the Florida Times Union on September 6, 2001.

Sincerely,

Jeffrey A. Walker
Environmental Manager, Cedar Bay

cc: B. Smith, Cedar Bay
R. Dehart, Bethesda

THE FLORIDA TIMES-UNION
Jacksonville, Fl
Affidavit of Publication

Florida Times-Union.

CEDAR BAY GENERATING CO.
PO BOX 26324
JACKSONVILLE FL 32236

REFERENCE: 0181153
R64653 Public Notice

State of Florida
County of Duval

Before the undersigned authority personally appeared Elizabeth Heisler who on oath says she is a Legal Advertising Representative of The Florida Times-Union, a daily newspaper published in Jacksonville in Duval County, Florida; that the attached copy of advertisement is a legal ad published in The Florida Times-Union. Affiant further says that The Florida Times-Union is a newspaper published in Jacksonville, in Duval County, Florida, and that the newspaper has heretofore been continuously published in Duval County, Florida each day, has been entered as second class mail matter at the post office in Jacksonville, in Duval County, Florida for a period of one year preceeding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission, or refund for the purpose of securing this advertisement for publication in said newspaper.

PUBLISHED ON: 09/06

FILED ON: 09/06/01

Name: Elizabeth Heisler Title: Legal Advertising Representative

In testimony whereof, I have hereunto set my hand and affixed my official seal, the day and year aforesaid.

NOTARY: *Joan Miller*

OFFICIAL NOTARY SEAL
JOAN MILLER
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC996195
MY COMMISSION EXP. JAN. 23, 2005

Legal Notices | Legal Notices

PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION DEPARTMENT OF ENVIRONMENTAL PROTECTION

Draft Air Construction Permit No.: 0310337-004-AC
PSD Permit No.: PSD-FL-137E

DRAFT Title V Air Operation Permit Revision No.: 0310337-003-AV
Cedar Bay Cogeneration Facility
Duval County

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit and a Title V Air Operation Permit Revision to Cedar Bay Generating Company, L.P. for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County. The applicant's name and address are: Cedar Bay Generating Company, L.P., 9640 Eastport Road, Jacksonville, FL 32226.

The Air Construction/PSD Permit is being issued to reflect the demolition and removal of the ash pelletizing operations and all associated equipment. Fly ash and bed ash will continue to be removed from the site by means of open or closed rail cars and/or closed trucks. Removal of the ash pelletizing equipment will not result in an increase in air pollutant emissions since the ash pelletizing equipment has never been functional for commercial operations.

The Title V Air Operation Permit Revision is being issued to reflect the removal of the ash pelletizing operations outlined in permit No. 0310337-004-AC/PSD-FL-137E, and to incorporate the boiler heat input clarifications and short-term sulfur dioxide emissions limit increases that were authorized by permit No. PSD-FL-137D, issued March 9, 2000.

The permitting authority will issue the Air Construction/PSD Permit, the PROPOSED Title V Air Operation Permit Revision, and the subsequent FINAL Title V Air Operation Permit Revision, in accordance with the conditions of the Draft Air Construction/PSD Permit and the DRAFT Title V Air Operation Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Draft Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979). Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Title V Air Operation Permit Revision, the permitting authority shall issue a Revised DRAFT Title V Air Operation Permit Revision and require, if applicable, another Public Notice.

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 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (telephone: 850/488-9730; Fax 850/487-4938). Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, 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 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the applicable 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code (F.A.C.).

A petition that disputes the material facts on which the 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, 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 petitioner's substantial rights will be affected by the agency determination;

(c) A statement of how and when the petitioner received notice of the agency action or proposed action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so state;

(e) A concise statement of the ultimate facts alleged, as well as the rules and statutes, which entitle petitioner to relief;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the 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 notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available for this proceeding.

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 notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available for this proceeding.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661(d)(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this 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.

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

Permitting Authority:

Department of Environmental Protection
111 S. Magnolia Drive
Tallahassee, Florida 32301
Telephone: 850/488-0114
Fax: 850/922-6979

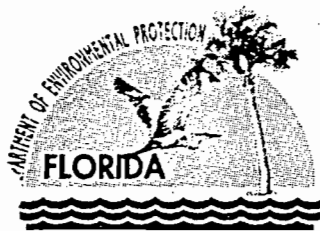
Affected District:

Northeast District
7825 Baymeadows Way, Suite 200B
Jacksonville, Florida 32256-7590
Telephone: 904/448-4300
Fax: 904/448-4363

Affected Local Program:

City of Jacksonville
Regulatory and Environmental Services
Department
Air and Water Quality Division
117 West Duval Street, Suite 225
Jacksonville, Florida 32202
Telephone: 904/630-3484
Fax: 904/630-3638

The complete project file includes the Draft Air Construction/PSD Permit and DRAFT Title V Air Operation Permit Revision, the application(s), and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Mr. Scott M. Sheplak, P.E., at the above address, or call 850/448-0114, for additional information.



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

November 6, 2001

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

Re: PROPOSED Title V Permit No.: 0310337-003-AV
Cedar Bay Cogeneration Facility

Dear Mr. Cole:

One copy of the "PROPOSED PERMIT DETERMINATION" for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County, is enclosed. This letter is only a courtesy to inform you that the DRAFT permit has become a PROPOSED permit.

An electronic version of this determination has been posted on the Division of Air Resources Management's world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. The web site address is:

<http://www.dep.state.fl.us/air/permitting/tv/TitleVSearch.asp>

Pursuant to Section 403.0872(6), Florida Statutes, if no objection to the PROPOSED permit is made by the USEPA within 45 days, the PROPOSED permit will become a FINAL permit no later than 55 days after the date on which the PROPOSED permit was mailed (posted) to USEPA. If USEPA has an objection to the PROPOSED permit, the FINAL permit will not be issued until the permitting authority receives written notice that the objection is resolved or withdrawn.

If you should have any questions, please contact Jonathan Holtom, P.E., at 850/921-9531.

Sincerely,

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

CHF/h
Enclosures

E-mail Copy furnished to:
Jeffery Walker, Cedar Bay Generating Company
Chris Kirts, P.E., DEP, Northeast District Office
Richard Robinson, P.E., Duval County AWQD
U.S. EPA, Region 4

"More Protection, Less Process"

Polly (File)



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

P.E. Certification Statement

Permittee:

Cedar Bay Generating Company

Cedar Bay Cogeneration Facility

Draft Air Construction/PSD Permit No.:

0310337-004-AC/PSD-FL-137E

DRAFT Title V Air Operation Permit Revision No.:

0310337-003-AV

Facility ID No.: 0310337

Project: Air Construction/PSD Permit and Title V Air Operation Permit Revision

I **HEREBY CERTIFY** that the engineering features described in the above referenced applications and related additional information submittals, if any, and subject to the proposed permit conditions outlined in the Draft Air Construction/PSD permit revision and the "Statement of Basis" attached to the DRAFT Title V Air Operation permit revision, 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, and geological features).

Jonathan K. Holtom
Jonathan K. Holtom, P.E.
Registration Number: 0052664

8/22/01
Date

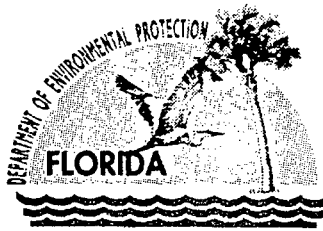
Permitting Authority:

Florida Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114
Fax: 850/922-6979

"More Protection, Less Process"

Printed on recycled paper.



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

August 20, 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: Draft Air Construction Permit No.: 0310337-004-AC
PSD Permit No.: PSD-FL-137E
DRAFT Title V Air Operation Permit Revision No.: 0310337-003-AV
Cedar Bay Cogeneration Facility

Dear Mr. Cole:

One copy of the Draft Air Construction/PSD Permit, and the DRAFT Title V Air Operation Permit Revision for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County, is enclosed. The permitting authority's combined "INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION" and the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION" are also enclosed.

An electronic version of the DRAFT Title V Air Operation Permit Revision has been posted on the Division of Air Resources Management's world wide web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. The web site address is:

"<http://www8.myflorida.com/licensingpermitting/learn/environment/air/tv/TitleVSearch.asp>".

The "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION" must be published as soon as possible upon receipt of this letter. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit revision.

"More Protection, Less Process"

Printed on recycled paper.

Mr. Randy Cole, General Manager, Cedar Bay Generating Company
Draft Air Construction/PSD Permit No.: 0310337-004-AC/PSD-FL-137E
DRAFT Title V Air Operation Permit Revision No.: 0310337-003-AV
Page 2 of 2

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Scott M. Sheplak, P.E., at the above letterhead address. If you have any other questions, please contact Jonathan Holtom, P.E., at 850/921-9531.

Sincerely,



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

CHF/sms/h

Enclosures

U.S. EPA, Region 4 (INTERNET E-mail)

In the Matter of an
Application for Permits by:

Cedar Bay Generating Company, L.P.
9640 Eastport Road
Jacksonville, FL 32226

Draft Air Construction Permit No.: 0310337-004-AC
PSD Permit No.: PSD-FL-137E
DRAFT Title V Air Operation Permit Revision No.: 0310337-003-AV
Cedar Bay Cogeneration Facility
Duval County

**INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR
OPERATION PERMIT REVISION**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit and a Title V Air Operation Permit Revision (copies of Draft Air Construction/PSD Permit and DRAFT Title V Air Operation Permit Revision attached) for the Title V source detailed in the application(s) specified above, for the reasons stated below.

The applicant, Cedar Bay Generating Company, L.P., applied on March 15, 2001, to the permitting authority for a Title V Air Operation Permit Revision to remove the ash pelletizing operations at the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County. The Applicant also applied on March 19, 2001, to the permitting authority for a revision to the Air Construction/PSD Permit to remove the ash pelletizing operations from it. On May 15, 2001, the applicant submitted a letter clarifying that they had intended for the applications to be processed concurrently so that a combined Public Notice could be published. To avoid conflicts between the two application processing clocks, the applicant also provided a waiver of the air construction application processing clock.

The Air Construction/PSD Permit is being issued to reflect the demolition and removal of the ash pelletizing operations and all associated equipment. Fly ash and bed ash will continue to be removed from the site by means of open or closed rail cars and/or closed trucks. Removal of the ash pelletizing equipment will not result in an increase in air pollutant emissions since the ash pelletizing equipment has never been functional for commercial operations.

The Title V Air Operation Permit Revision is being issued to reflect the removal of the ash pelletizing operations outlined in permit No. 0310337-004-AC/PSD-FL-137E, and to incorporate the boiler heat input clarifications and short-term sulfur dioxide emissions limit increases that were authorized by permit No. PSD-FL-137D, issued March 9, 2000.

The permitting authority has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-212 and 62-213. This source is not exempt from construction and Title V permitting procedures. The permitting authority has determined that an Air Construction/PSD Permit and a Title V Air Operation Permit Revision are required to properly reflect the removal of the ash pelletizing equipment and to continue operations at the described facility.

The permitting authority intends to issue the Air Construction/PSD Permit and the Title V Air Operation Permit Revision based on the belief that reasonable assurances have been provided to indicate that the removal of the ash pelletizing equipment will not adversely impact air quality, and the source will continue to comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C.

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE

OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." The 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. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permits (construction and revision). If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979), within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to Rule 62-110.106, F.A.C.

The permitting authority will issue the Air Construction/PSD Permit and the PROPOSED Title V Air Operation Permit Revision and subsequent FINAL Title V Air Operation Permit Revision, in accordance with the conditions of the attached Draft Air Construction/PSD Permit and the DRAFT Title V Air Operation Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD Permit and require, if applicable, another Public Notice.

The permitting authority will accept written comments concerning the proposed Title V Air Operation Permit Revision issuance action for a period of 30 (thirty) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Title V Air Operation Permit Revision, the permitting authority shall issue a Revised DRAFT Title V Air Operation Permit Revision and require, if applicable, another Public Notice.

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 (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by the permit's (construction and revision) applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, 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 (fourteen) days of receipt of that notice, regardless

of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention 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 how and when each petitioner received notice of the agency action or proposed action;

(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, as well as the rules and statutes which entitle the petitioner to relief;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the 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 notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner;

(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;

- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

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 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this 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.

Executed in Tallahassee, Florida.

**STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION**



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

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION (including the combined PUBLIC NOTICE, the Draft Air Construction/PSD Permit and the DRAFT Title V Air Operation Permit Revision) and all copies were sent by certified mail before the close of business on 8/27/01 to the person(s) listed:

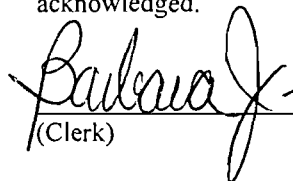
Mr. Randy Cole, Cedar Bay

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION (including the combined PUBLIC NOTICE, the Draft Air Construction/PSD Permit and the DRAFT Title V Air Operation Permit Revision) were sent by U.S. mail on the same date to the person(s) listed or as otherwise noted:

Mr. Jeffery Walker, Cedar Bay
Mr. C. Kirts, DEP NED
Mr. H. Oven, PPS
Mr. J. Manning, RESD
Mr. G. Worley, EPA
Mr. Andrew Jablonski, P.E., Earth Tech

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.

 Friday 8/27/01
(Clerk) (Date)

**PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION/PSD PERMIT
AND A TITLE V AIR OPERATION PERMIT REVISION**

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Draft Air Construction Permit No.: 0310337-004-AC
PSD Permit No.: PSD-FL-137E
DRAFT Title V Air Operation Permit Revision No.: 0310337-003-AV
Cedar Bay Cogeneration Facility
Duval County

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue an Air Construction/PSD Permit and a Title V Air Operation Permit Revision to Cedar Bay Generating Company, L.P. for the Cedar Bay Cogeneration Facility located at 9640 Eastport Road, Jacksonville, Duval County. The applicant's name and address are: Cedar Bay Generating Company, L.P., 9640 Eastport Road, Jacksonville, FL 32226.

The Air Construction/PSD Permit is being issued to reflect the demolition and removal of the ash pelletizing operations and all associated equipment. Fly ash and bed ash will continue to be removed from the site by means of open or closed rail cars and/or closed trucks. Removal of the ash pelletizing equipment will not result in an increase in air pollutant emissions since the ash pelletizing equipment has never been functional for commercial operations.

The Title V Air Operation Permit Revision is being issued to reflect the removal of the ash pelletizing operations outlined in permit No. 0310337-004-AC/PSD-FL-137E, and to incorporate the boiler heat input clarifications and short-term sulfur dioxide emissions limit increases that were authorized by permit No. PSD-FL-137D, issued March 9, 2000.

The permitting authority will issue the Air Construction/PSD Permit, the PROPOSED Title V Air Operation Permit Revision, and the subsequent FINAL Title V Air Operation Permit Revision, in accordance with the conditions of the Draft Air Construction/PSD Permit and the DRAFT Title V Air Operation Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Draft Air Construction/PSD Permit issuance action for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979). Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction/PSD Permit, the permitting authority shall issue a Revised Draft Air Construction/PSD Permit and require, if applicable, another Public Notice.

The permitting authority will accept written comments concerning the proposed DRAFT Title V Air Operation Permit Revision issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments should be provided to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979). Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Title V Air Operation Permit Revision, the permitting authority shall issue a Revised DRAFT Title V Air Operation Permit Revision and require, if applicable, another Public Notice.

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 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000 (Telephone: 850/488-9730; Fax: 850/487-4938). Petitions filed by any persons

Note to Newspaper: DO NOT PRINT THIS FOOTER!

Page numbers are only included for administrative purposes.

other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, 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 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the applicable 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code (F.A.C.).

A petition that disputes the material facts on which the 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; 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 petitioner's substantial rights will be affected by the agency determination;

(c) A statement of how and when the petitioner received notice of the agency action or proposed action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so state;

(e) A concise statement of the ultimate facts alleged, as well as the rules and statutes, which entitle petitioner to relief;

(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the 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 notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available for this proceeding.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this 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.

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

Permitting Authority:

Department of Environmental Protection
111 S. Magnolia Drive
Tallahassee, Florida 32301
Telephone: 850/488-0114
Fax: 850/922-6979

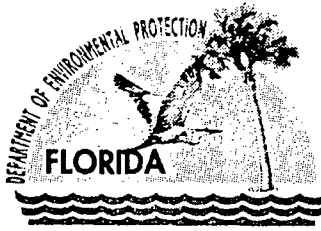
Affected District

Northeast District
7825 Baymeadows Way, Suite 200B
Jacksonville, Florida 32256-7590
Telephone: 904/448-4300
Fax: 904/448-4363

Affected Local Program:

City of Jacksonville
Regulatory and Environmental Services Department
Air and Water Quality Division
117 West Duval Street, Suite 225
Jacksonville, Florida 32202
Telephone: 904/630-3484
Fax: 904/630-3638

The complete project file includes the Draft Air Construction/PSD Permit and DRAFT Title V Air Operation Permit Revision, the application(s), and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Mr. Scott M. Sheplak, P.E., at the above address, or call 850/488-0114, for additional information.



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

Month Day, 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
Coal Silo Conveyor
Bed Ash Hopper
Bed Ash Silo

Limestone Pulverizer/Conveyor
Limestone Storage Bin
Fly 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

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Construction/PSD Permit was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on _____ to the person(s) listed:

Mr. Randy Cole, Cedar Bay*
Mr. Jeffery Walker, Cedar Bay
Mr. C. Kirts, DEP NED
Mr. H. Oven, PPS
Mr. J. Manning, RESD
Mr. G. Worley, EPA
Mr. Andrew Jablonski, P.E., Earth Tech

Clerk Stamp

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

(Clerk)

(Date)



**PG&E National
Energy Group**

Cedar Bay
Generating Plant
Owner: Cedar Bay Generating Company, L.P.

RECEIVED

SEP 19 2001

POB 26324
Jacksonville, FL 32226-6324

904.751.4000
Fax: 904.751.7320

BUREAU OF AIR REGULATION

September 18, 2001

Mr. Scott Sheplak, P.E.
Florida Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Cedar Bay Draft Air Construction/PSD Permit No. 0310337-004-AC/PSD-FL-137E

Dear Mr. Sheplak:

Cedar Bay Generating Company, L.P. would like to take the opportunity to provide written comments to the proposed Air Construction/PSD Permit Revision during the Public Notice period.

Material Handling Handling and Treatment

The previous PSD modification that became effective in March 2000 is now identified as PSD-FL-137D. One of the items in the original modification request was a request to modify the material handling and usage rates of the coal and limestone/aragonite. Due to the modification's intensive focus on SO₂ limits and supporting air dispersion modeling, this particular item was apparently overlooked during the draft and final permit issuance.

Coal and limestone are staged in lined storage piles. Coal is supplied via rail and limestone/aragonite is supplied via ship, then truck. Cedar Bay Generating Company, L.P. is concerned that current PSD permit conditions do not allow sufficient material handling capacity to allow the facility to weather catastrophic events or business interruptions. It would be prudent to have the ability to increase the amount of coal and limestone "handled" at the facility.

Given that:

- Coal unloading and storage, as well as limestone/aragonite unloading and storage, represent fugitive particulate emissions for which no emission rate limits are set;
- There is no federal or state regulation limiting the quantities of these material or emissions on a monthly basis; and
- Compliance with a rigorous interpretation of the current monthly conditions would, in theory, render the storage piles to be eventually depleted if the boilers ran at full capacity for an extended period with even intermittent cessation of supply periods;

Cedar Bay therefore requests doubling the monthly limitations for coal and limestone/aragonite unloading and storage, and increasing the annual usage rate by one month's capacity. This would require separating the limits for these sources from the other material handling sources.

Thus, Cedar Bay proposes to modify Conditions II.B.2 as follows:

2. Material Handling and Usage Rate

- a. The material handling/usage rates for coal unloading and storage and for limestone/aragonite unloading and storage shall not exceed the following:

Material	<u>Handling/Usage Rate</u>	
	<u>TPM</u>	<u>TPY</u>
Coal	234,000	1,287,000
Limestone/Aragonite	54,000	347,000

- b. For fly ash and bed ash handling sources, the handling/usage rates shall not exceed the following:

Material	<u>Handling/Usage Rate</u>	
	<u>TPM</u>	<u>TPY</u>
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

Note: TPM is tons per month based on 30 consecutive days; and, TPY is tons per year

It is important to note that the latest version of Cedar Bay's Conditions of Certification reflect these changes as requested in the PSD modification application although the material handling changes were not part of the proposed changes in the draft PSD permit.

Addition of language for a Pug Mill

As explained in a letter to the Department dated August 21, 2001, Cedar Bay desires to improve the flexibility for ash handling and transportation from the site with the installation of a pug mill. The pug mill will mix ash and water in an enclosed system and enable the removal of ash by other than sealed trucks. This process will enable the ash to be loaded, transported, and disposed in a Class 1 landfill while minimizing fugitive emissions.

While the PSD Modification Application in 1994 explicitly detailed "Dry Ash Unloading in Sealed Trucks", the resulting modification, PSD-FL-137(B), did not specifically reference the use of trucks as a means to remove ash from the site. Instead, Section II.B.4. added a stipulation that requires the Project site to obtain prior approval of the DEP and RESD for removal of bottom and fly ash by any other means other than rail. Cedar Bay has since obtained such permission once it was clear that long-term beneficial re-use opportunities were available.

September 18, 2001

Page 3

The use of the pug mill will alter the process of loading the trucks but will enable the project to meet the visible emission limitation (VE) of five per cent (5%) opacity in accordance with rule 62-296.711, F.A.C. By wetting and blending the ash, the pug mill will produce a more uniform ash with less opportunity for dusting. There are no new vents or other air emission sources associated with the pug mill itself.

Therefore, Cedar Bay requests to modify PSD-FL-137(B) (in conjunction with the retirement of the pelletizer emission units) as follows:

From

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

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

Coal Crusher Building	Limestone Pulverizer (2)/Conveyor
Coal Silo Conveyor	Limestone Storage Bins(2)
Bed Ash Hopper	Fly Ash Silo Vent
Bed Ash Separator	Fly Ash Separators(2)
Bed Ash Silo Vent	Pellet Vibratory System
Bed Ash Receiver Bin	Pellet Recycle tank
Fly Ash Receiver Bin	Cured Pellet Screening Conveyor System
	Pellet Recycle System
	Pelletizing Rail Loadout

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr./disc (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 as follows:

Ash Pellet Hydrator:	<u>Scrubber</u>
Ash Pellet Curing Silos:	<u>Scrubber</u>
Ash Pelletizing Pan:	<u>Scrubber</u>

The above listed sources are subject to a visible emissions (VE) and a particulate matter (PM) emissions limitation requirement of 5 percent opacity and a 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 Rule 62-297, D=F.A.C. and 40 CFR 60, Appendix A.

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 railcar loadout cap when loading open rail cars

The above listed sources are subject to a visible emission (VE) limitation requirement of five percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance test shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A (July, 1992 version). Initial visible emission 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.1.B.4 Material handling sources shall be regulated as follow:

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

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

The emissions from the above listed sources are subject to the particulate emission limitation requirement of 0.003 gr./disc (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 railcar loadout cap when loading open rail cars

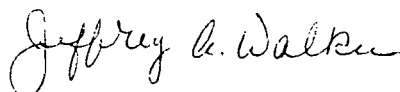
Dry Ash Truck Loadout: Using sealed trailers under negative air

Wet Ash Truck Loadout: Using a pug mill to mix water with ash

The above listed sources are subject to a visible emission (VE) limitation requirement of five percent (5%) opacity in accordance with Rule 62-296.711, F.A.C. Initial and subsequent compliance test shall be conducted for VE using EPA Method 9 or other FDEP approved methods in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A (July, 1992 version). Initial visible emission 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.~~

We hope that these proposed changes are satisfactory to you and we look forward to working with you to ensure that we can operate the Cedar Bay facility in a reliable, environmentally responsible, and cost-effective manner. Please contact me at 904-751-4000 extension 22 with any questions or comments.

Sincerely,



Jeffrey A. Walker
Environmental Manager, Cedar Bay

cc: Robert Dehart, PG&E National Energy Group
Bruce Smith, Cedar Bay



**PG&E National
Energy Group**

Cedar Bay
Generating Plant
Owner: Cedar Bay Generating Company, L.P.

POB 26324
Jacksonville, FL 32226-6324
904.751.4000
Fax: 904.751.7320

RECEIVED

MAY 11 2001

BUREAU OF AIR REGULATION

May 10, 2001

Mr. Al Linero
Florida Department of Environmental Protection
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Re: Cedar Bay PSD Permit # PSD-FL-137 Modification Request

Dear Mr. Linero

Cedar Bay recently submitted a request for revisions to both the Title V permit (Permit No. 0310337-002-AV) and the plant's PSD Permit (Permit # PSD-FL-137). The application for revision to the Title V permit was for the purpose of incorporating applicable changes made in a recent PSD permit modification. In addition, a request was made to delete references to emission units related to the ash pelletizing system. The PSD permit application was for the purpose of removing references to the ash pelletizing emission units.

It was the intent of Cedar Bay to pursue the application process with the Title V and PSD simultaneously. In that end, Cedar Bay requests a waiver of the construction permit application processing clock. This waiver should preclude the requirement for a second Public Notice.

If there should be any questions regarding this request for a waiver of the PSD application processing clock, please do not hesitate to contact me at 904-751-4000 ext.22.

Sincerely,

Jeffrey A. Walker
Environmental Manager, Cedar Bay

cc: R. Cole, Cedar Bay
R. Dehart, Bethesda



**PG&E National
Energy Group**

Cedar Bay
Generating Plant
Owner: Cedar Bay Generating Company, L.P.

PQB 26324
Jacksonville, FL 32226-6324
904.751.4000
Fax: 904.751.7320

March 16, 2001

RECEIVED

MAR 19 2001

BUREAU OF AIR REGULATION

Mr. Michael Halpin
Florida Department of Environmental Protection
Bureau of Air Regulation
Mail Station 5505
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Subject: Cedar Bay Generating Co., L.P.
Permit PSD-FL-137 – Retirement of Pelletizer Units
0310337-004-AC

Dear Mr. Halpin:

This letter is to inform you that Cedar Bay Generating Co., L.P. is retiring the ash pelletizer operation at its coal-fired power plant in Jacksonville, Florida, and will eventually dismantle the equipment.

Cedar Bay Generating has determined that the equipment associated with the ash pelletizing operation will not be run again. This equipment included several particulate emissions sources as listed below.

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

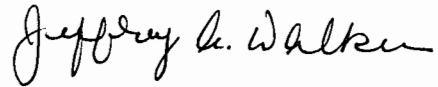
We are submitting a Title V permit modification request (attached) concurrently with this letter; the Title V modification request covers the pelletizer retirement as well as the PSD modifications issued on March 9, 2000.

March 16, 2001

Page 2

If you have any questions or require additional information, please contact me at 904-751-4000 extension 22.

Sincerely,



Jeffrey A. Walker

Environmental Manager, Cedar Bay Generating Plant

cc: C. Kirts, NED
S. Pace, RESD

I-fdep.doc

March 9, 2001

Mr. Tom Cascio
 Florida Department of Environmental Protection
 Bureau of Air Regulation
 2600 Blair Stone Road
 Tallahassee, FL 32399-2400

Subject: Cedar Bay Generating Co., L.P.
Title V Permit No.: 0310337002AV

Dear Mr. Cascio:

Per our discussion on Tuesday, February 27, 2001, we are supplying this proposed modification to the Title V air permit for Cedar Bay Generating Co., L.P. We are requesting modifications to reflect modifications to Permit PSD-FL-137, and to document the retirement of ash pelletizing equipment.

Telephone

978.371.4000

PSD Permit Modifications: On March 9, 2000, the Florida DEP Division of Air Resource Management issued a letter modifying the conditions of the air permit PSD-FL-137. The modification "is to allow the three fluidized bed circulating boilers (A, B and C) to operate with changes to their method of compliance for startup and shutdown, SO₂ emissions, mercury testing, heat input and stack testing methodology."

Facsimile

978.371.2468

Equipment Retirement: Cedar Bay Generating has determined that the equipment associated with the ash pelletizing operation will not be run again, and there are plans to dismantle this equipment in the near future. This equipment included several particulate emissions sources as listed below. Different numbering systems have been used through the Title V permitting process; we have included different identifiers to help clarify what equipment is being removed:

E.U. ID No.	Brief Description:	Control Device	Application Emission Unit Information Section	Application Page
-013	Pelletizer Bed Ash Receiver Bin	<i>Baghouse A-7</i>	<i>19 of 34</i>	III-396 to 414
-014	Pelletizer Fly Ash Receiver Bin	<i>Baghouse A-8</i>	<i>20 of 34</i>	III-415 to 433
-015	Pellet Vibratory System	<i>Baghouse A-17</i>	<i>28 of 34</i>	III-567 to 585
-016	Pellet Recycle Tank	<i>Baghouse A-10</i>	<i>21 of 34</i>	III-434 to 452
-017	Pelletizing Recycle Hopper	<i>Baghouse A-9</i>	<i>30 of 34</i>	III-604 to 622
-018	Cured Pellet Screening Conveyor System	<i>Baghouse A-14</i>	<i>25 of 34</i>	III-510 to 528
-019	Pellet Recycle Conveyor	<i>Baghouse A-16</i>	<i>27 of 34</i>	III-548 to 566
-021	Ash Pellet Hydrator	<i>Scrubber A-11</i>	<i>22 of 34</i>	III-453 to 471
-022	Ash Pellet Curing Silos	<i>Scrubber A-13</i>	<i>24 of 34</i>	III-491 to 509
-023	Ash Pelletizing Pans	<i>Scrubber A-12</i>	<i>23 of 34</i>	III-472 to 490
-029	Pellet Railcar Loadout	<i>Baghouse A-15</i>	<i>26 of 34</i>	III-529 to 547

A **tyco** INTERNATIONAL LTD. COMPANY

Mr. Tom Cascio
FDEP
March 9, 2001

2

In summary, we ask that you consider these pages to be removed from the revised Title V application:

III-396 to III-585

III-604 to III-622

Application Contents: Attached to this letter are the following:

- A new, signed Responsible Official Title V form (62-210.900(1), I-2)
- A new, signed and sealed Professional Engineer Statement (62-210.900(1), I-8)
- Revised Title V application forms with handwritten changes indicating the revisions from the original application. We have also included revised forms to address changes in company name and contact persons.
- Proposed new language for the Title V permit. We have tracked the proposed language changes, based on the electronic version of the Title V permit available on the Florida DEP website. Pages with changes are submitted in hardcopy; we are also submitting the proposed permit changes to you electronically. In the main body of the Title V permit, language to be deleted is crossed through. New language is underlined. We have integrated the PSD language into the appropriate areas and crossed out references to pelletizer emission units. In addition, we have attached a file for Appendix PSS-1. This is the appendix that incorporates the startup language as developed in the PSD modification into the Title V permit.
- A copy of the March 9, 2000 PSD modification letter for your reference.

Again, thank you for your time and input. If you have any questions, please do not hesitate to contact me at (978) 371-4339 or Jeff Walker of Cedar Bay Generating at (904) 751-4000 extension 22.

Very truly yours,

EARTH TECH



Andrew Jablonowski, PE
Senior Engineer.

cc: Jeffrey Walker, Cedar Bay Generating Co., P.O. Box 26324, Jacksonville FL 32226
Robert DeHart, PG&E National Energy Grou, 7500 Old Georgetown Road, Bethesda MD 20814

E A R T H  T E C H

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	Supplemental Calculations		

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form identifies the facility and provides general information on the scope and purpose of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department using ELSA, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner/Company Name: Cedar Bay Generating Company, L.P.	
2. Site Name: Cedar Bay Cogeneration Facility	
3. Facility Identification Number: 31DVL160337 <input type="checkbox"/> Unknown	
4. Facility Location: U.S. Generating Cedar Bay Facility <i>PG + E National Energy Group</i> Street Address or Other Locator: 9640 Eastport Road City: Jacksonville County: Duval Zip Code: 32226	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	3/19/01
2. Permit Number:	0310037-003-AV
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official: Randy Cole, General Manager
2. Owner/Authorized Representative or Responsible Official Mailing Address: Organization/Firm: Cedar Bay Generating Company, L.P. Street Address: P.O. Box 20324 City: Jacksonville State: FL Zip Code: 32226
3. Owner/Authorized Representative or Responsible Official Telephone Numbers: Telephone: (904) 751 - 4000 Fax: (904) 751 - 7320
4. Owner/Authorized Representative or Responsible Official Statement: <i>I, the undersigned, am the owner or authorized representative* of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i> Signature: <u>Randy M Cole</u> Date: <u>3-12-01</u>

* Attach letter of authorization if not currently on file.

Emissions Unit ID	Description of Emissions Unit	Permit Type
026	Fly Ash Collector (Vents through Ash Mechanical Exhausts) (1 ASA-CO-1B)	AF2A
Unknown	Fly Ash Silo Vent Filter (1 ASA-FLT-2), controls truck load out, rail loadout, silo	AF2A
013	Bed Ash Pelletizer Receiver Vent Filter (1 ASF-FLT-2)	AF2A
014	Fly Ash Receiver Vent Filter (1 ASF-FLT-1)	AF2A
016	Recycle Tank Dust Filter (1 ASF-DCO-2)	AF2A
021	Hydrator Venturi Scrubber (1 ASF-SCB-1)	AF2A
023	Pan Impingement Scrubber (1 ASF-SCB-2)	AF2A
022	Curing Silo Impingement Scrubber (1 ASF-SCB-3)	AF2A
018	Curing Silo Dust Filter (1 ASF-DCO-4)	AF2A
029	RR Pellet Load Out Dust Filter (1 ASF-DCO-3)	AF2A
019	Pellet Recycle Belt Head Pulley to Bucket Elevator Dust Filter (1 ASF-DCO-5)	AF2A
015	Pellet Screen Dust Filter (1 ASF-DCO-1)	AF2A
030	Dry Ash Loadout Dust Collector	AF2A
017	Recycle Surge Hopper Filter (500 cfm)	AF2A
Unknown	Zero Discharge WWHU	AF2C
Unknown	Zero Discharge Cooling Tower	AF2C
Notes: AF2A - Initial Certification Test. AF2B - CEMS, or Initial Certification Tests		

Purpose of Application and Category

Check one (except as otherwise indicated):

Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain:

Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.

Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: _____

Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: _____

Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: PSD-FL-137

Operation permit to be revised: 0310337002 AV

Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: _____

Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit to be revised: _____

Reason for revision: _____

Application Processing Fee

Check one:

Attached - Amount: \$ _____

Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations:
2. Projected or Actual Date of Commencement of Construction:
3. Projected Date of Completion of Construction:

Professional Engineer Certification

1. Professional Engineer Name: G. Preston Lewis GEORGE S. LIPKA Registration Number: 41755 0050359
2. Professional Engineer Mailing Address: Organization/Firm: ENSR EARTH TECH Street Address: 1528 Metropolitan Blvd., Suite A2 196 BAKER AVE City: Tallahassee CONCORD State: Florida MA Zip Code: 32315 01742
3. Professional Engineer Telephone Numbers: Telephone: (904) 385-0808 978 371-4000 Fax: (904) 385-5457 978 371-2468

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain a Title V source air operation permit (check here [X] if so), I further certify that, to the best of my knowledge, each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [] if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

Signature

Date

(seal)

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact:		
Kevin Grant, Environmental & Safety Manager Jeffrey A. Walker, Environmental Manager		
2. Application Contact Mailing Address:		
Organization/Firm:	Cedar Bay Generating Company, L.P. U.S. Generating Company	P.O. Box 26324
Street Address:	9640 Eastport Road	(P.O. Box 2234 - Zip Code: 32317-3206)
City:	Jacksonville	State: Florida
		Zip Code: 32315 32226
3. Application Contact Telephone Numbers:		
Telephone:	(904) 751-4000	Fax: (904) 751-7320

Application Comment

<u>Alternate Contacts for the Application:</u>	
Preston Lewis, P.E.	ENSR Tallahassee (904) 385-0808
Barry Andrews, P.E.	ENSR Florence (205) 767-1210
Keith Field	ENSR Florence (205) 767-1210
Don Beckham	U. S. Generating Company (301) 718-6757

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 1 of 12

1. Pollutant Emitted: SO ₂		
2. Total Percent Efficiency of Control:		89 to 95 %
(Qtrly. Report 4-1-94 to 4-26-96)		
3. Primary Control Device Code: 041		
4. Secondary Control Device Code: 027		
5. Potential Emissions:	255.1 lb/hour	866 tons/year
6. Synthetically Limited?		
[X] Yes [] No		
7. Range of Estimated Fugitive/Other Emissions:		
[] 1 [] 2 [] 3 _____ to _____ tons/year		
0.30		
8. Emission Factor: 0.24 lb/MM BTU* 0.20 lb/MM BTU**		
Reference: Permit PA-88-24A, PSD-FL-137A		
9. Emissions Method Code:		
[] 1 [] 2 [] 3 [] 4 [X] 5		
10. Calculation of Emissions:		
See attached calculations at end of Boiler Section.		
11. Pollutant Potential/Estimated Emissions Comment:		
Limited by PSD-FL-137A.		
* 3-hour rolling average		
** 12-month rolling average 30-day rolling average.		

Emissions Unit Information Section 9 of 34

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: AMBIENT		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: See Comment.		
4. Equivalent Allowable Emissions:	186 lb/hour	758 tons/year
5. Method of Compliance: Continuous Emissions Monitoring and Method 10		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

PSD-FL-137A 186 lb/hr
8-hr rolling average for CO = 0.175 lbs/MMBtu ^{except for initial and annual compliance tests and the CEM certification, when the 1-hour applies}
12-month rolling average for CO = 758 ton/year

See PSD-FL-137, Specific Condition 11.A.9.e. for alternative CO emission limits during specific operating modes.

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 1 of 12

1. Pollutant Emitted: SO ₂	
2. Total Percent Efficiency of Control: (Qtrly. Report 4-1-94 to 4-26-96)	89 to 95 %
3. Primary Control Device Code: 041	
4. Secondary Control Device Code:	
5. Potential Emissions:	255.1 lb/hour 866 tons/year
6. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year <i>0.30</i>	
8. Emission Factor: 0.24 lb/MM BTU hourly * 0.20 lb/MM BTU annually** Reference: Permit PA-88-24A, PSD-FL-137A	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: See attached calculations at end of Boiler Section	
11. Pollutant Potential/Estimated Emissions Comment: Limited by PSD-FL-137A. * 3-hour rolling average ** 30-day rolling average	

Emissions Unit Information Section 10 of 34

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: AMBIENT		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: See comment.		
4. Equivalent Allowable Emissions:	255 lb/hour 318.9	866 tons/year
5. Method of Compliance: Continuous Emissions Monitoring Method 6,6c or 8 and Method 19		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): Permit PA-88-24A PSD-FL-137A 3-hour rolling average for SO ₂ = 0.30 lb/MMBtu 12-month rolling average for SO ₂ = 0.20 lb/MMBtu 30-day		

Emissions Unit Information Section 10 of 34

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: AMBIENT		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: See Comment.		
4. Equivalent Allowable Emissions:	186 lb/hour	758 tons/year
5. Method of Compliance: Continuous Emissions Monitoring and Method 10		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		
PSD-FL-137A 8-hr rolling average for CO = 0.175 lbs/MMBtu, 186 lb/hr, except for initial and annual compliance tests and the CEM certification, when the 1-hour applies 12-month rolling average for CO = 758 ton/year		

See PSD-FL-137, specific Condition 11.A.9.e. for alternative CO emission limits during specific operating modes.

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 1 of 12

1. Pollutant Emitted: SO₂	
2. Total Percent Efficiency of Control: (Qtrly. Report 4-1 to 6-30-94)	89 to 95 %
3. Primary Control Device Code: 041	
4. Secondary Control Device Code: 027	
5. Potential Emissions:	255.1 lb/hour 866 tons/year
6. Synthetically Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
7. Range of Estimated Fugitive/Other Emissions: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 _____ to _____ tons/year 0.30	
8. Emission Factor: 0.24 lb/MM BTU hourly * 0.20 lb/MM BTU annually ** Reference: Permit PA-88-24A, PSD-FL-137A	
9. Emissions Method Code: <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5	
10. Calculation of Emissions: See attached calculations	
11. Pollutant Potential/Estimated Emissions Comment: Limited by PSD-FL-137A. <i>* 3-hour rolling average</i> <i>** 30-day rolling average</i>	

Emissions Unit Information Section 11 of 34

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: AMBIENT		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: See comment.		
4. Equivalent Allowable Emissions:	255 lb/hour 318.9	866 tons/year
5. Method of Compliance: Continuous Emissions Monitoring Method 6,6c or 8 and Method 19		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): Permit PA-88-24A PSD-FL-137A 3-hour rolling average for SO ₂ = ^{0.30} 0.24 lb/MMBtu 12-month rolling average for SO ₂ = 0.20 lb/MMBtu 30-day		

Emissions Unit Information Section 11 of 34

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: AMBIENT		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units: See Comment.		
4. Equivalent Allowable Emissions:	186 lb/hour	758 tons/year
5. Method of Compliance: Continuous Emissions Monitoring and Method 10		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		
<p>PSD-FL-137A 8-hr rolling average for CO = 0.175 lbs/MMBtu, 186 lb/hr, except for initial and annual compliance tests and the CEM certification, when the 1-hour applies 12-month rolling average for CO = 758 ton/year</p>		

See PSD-FL-137, Specific Condition 11.A.9.e. For alternative CO limits during specific operating modes.

Subsection B. Summary of Emissions Unit ID Numbers and Brief Descriptions.

E.U. ID No.	Brief Description
-001	Circulating Fluidized Bed Boiler A - 1063 MMBtu/hour
-002	Circulating Fluidized Bed Boiler B - 1063 MMBtu/hour
-003	Circulating Fluidized Bed Boiler C - 1063 MMBtu/hour
-004	Absorber Dryer System Train - 1 (Dryer and Handling System)
-005	Absorber Dryer System Train - 2 (Dryer and Handling System)
-006	Coal Crusher Building
-007	Coal Silo Conveyor
-009, -025	ADS Storage Bins (1 & 2)
-010	Bed Ash Hopper
-011	Bed Ash Separator/Collector
-012, -026	Fly Ash Separators/Collectors (1 & 2)
-013	Pelletizer Bed Ash Receiver Bin Retired
-014	Pelletizer Fly Ash Receiver Bin Retired
-015	Pellet Vibratory System Retired
-016	Pellet Recycle Tank Retired
-017	Pelletizing Recycle Hopper Retired
-018	Cured Pellet Screening Conveyor System Retired
-019	Pellet Recycle Conveyor Retired
-020	Coal Car Unloading
-021	Ash Pellet Hydrator Retired
-022	Ash Pellet Curing Silos Retired
-023	Ash Pelletizing Pans Retired
-029	Pellet Railcar Loadout Retired
-030	Dry Ash Rail Car/Truck Loadout
-031	Pulverized Limestone Feeders (6)
-032	Bed Ash Silo Vent (for transfers to silo and emissions control for truck loadout)
-033	Fly Ash Silo Vent (for transfers to silo and emissions control for truck loadout)

Please reference the Permit Number, the Facility Identification Number, and the appropriate Emissions Unit(s) ID Number(s) on all correspondence, test report submittals, applications, etc.

Section III. Emissions Units and Conditions.

Subsection A. This section addresses the following emissions units.

E.U. ID No.	Brief Description
-001	Circulating Fluidized Bed Boiler A
-002	Circulating Fluidized Bed Boiler B
-003	Circulating Fluidized Bed Boiler C

Emissions unit numbers -001, -002, and -003 are Pyroflow[®] Circulating Fluidized Bed (CFB) dry bottom boilers designated as "CFB Boiler A", "CFB Boiler B", and "CFB Boiler C", respectively. CFB Boilers A, B and C, are each rated at a maximum heat input of 1,063 million Btu per hour (MMBtu/hour) when firing crushed coal. Also, CFB Boilers B and C are each allowed to burn short fiber recycle rejects from the Stone Container Corporation (SCC) (was previously named Seminole Kraft Corporation (SKC)) recycling process. No. 2 fuel oil is used as an auxiliary fuel in all three boilers normally only for start-ups.

{Permitting notes. These emissions units are regulated under NSPS - 40 CFR 60, Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978, adopted and incorporated by reference in Rule 62-204.800(7), F.A.C.; Rule 62-212.400(5), F.A.C., Prevention of Significant Deterioration (PSD); and, Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT). All three boilers began commercial operation January 25, 1994. Particulate matter emissions from each boiler are controlled by separate baghouses. NO_x emissions from all units are controlled by selective non-catalytic reduction (SNCR). SO₂ emissions are controlled by limestone injection on the fluidized bed of each boiler. The three boilers share a common stack. Stack height = 403 feet, exit diameter = 13.26 feet, exit temperature = approx. 265 °F, actual volumetric flow rate = approx. 1,004,000 acfm.}

The following specific conditions apply to the emissions units listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The maximum operation heat input rates to each CFB shall not exceed 110% of 1063 MMBtu/hr (1169 MMBtu/hr). Additionally, the facility shall not exceed a combined total of 3189 MMBtu/hr for all three units. The facility heat input limit shall be based upon the number of operating boilers at the facility. Specifically, the combined maximum heat input shall not exceed:
1063 MMBtu/hr if only one boiler is operating,
2126 MMBtu/hr if only two boilers are operating and
3189 MMBtu if all three boilers are operating

Unit No.	MMBtu/hr Heat Input	Fuel Type
----------	---------------------	-----------

A.5. Emission Limits. The maximum emission limits from each CFB boiler are:

Pollutant Name	Pollutant Acronym	lbs/MMBtu	lbs/hr	TPY
Carbon Monoxide	CO	0.175 ¹	186 ¹	758 ⁴
Nitrogen Oxides	NO _x	0.17 ²	180.7 ²	736.1
Sulfur Dioxide	SO ₂	0.24 ³	255.1 ³	--
		0.30 ³	318.9 ³	
Volatile Organic Compound	VOC	0.20 ^{4,2}	--	866
		0.015	16.0	65
Particulate Matter	PM	0.018	19.1	78
Particulate Matter less than 10 microns	PM ₁₀	0.018	19.1	78
Sulfuric Acid mist	H ₂ SO ₄ mist	4.66x10 ⁻⁴	0.50	2.0
Fluorides	Fl	7.44x10 ⁻⁴	0.79	3.2
Lead	Pb	6.03x10 ⁻⁵	0.06	0.26
Mercury	Hg	2.89x10 ⁻⁵	0.03	0.13
Beryllium	Be	8.70x10 ⁻⁶	0.01	0.04

[Note: TPY represents a 93% capacity factor.]

Additional Notes:

1. Eight-hour rolling average, except for initial and annual compliance tests and the CEM certification, when the 1-hour standard applies.
2. Thirty-day rolling average.
3. Three-hour rolling average.
4. Twelve-month rolling average.
5. See Appendix PSS-1, Protocol for Start-up and Shutdown, for alternative CO emission limits during specific operating modes

[PSD-FL-137(A)]

A.6. Visible Emissions. Visible emissions (VE) shall not exceed 20 percent opacity (6-minute average), except for one 6-minute period per hour when VE shall not exceed 27% opacity. Because CFB Boilers A, B & C share a common stack, visible emissions violations from the stack will be attributed to all three units unless opacity meter results show the specific unit causing the violation.

[40 CFR 60.42a(b); and, PSD-FL-137(A)]

A.7. Sulfur Dioxide - Sulfur Content.

1. Coal. In order to ensure continuous compliance with the SO₂ limit stated in specific condition A.5., the coal sulfur content shall not exceed 1.7 percent, by weight, on a shipment (train load) basis and 1.2 percent, by weight, on an annual basis, as measured by applicable test methods (see specific condition A.36.).
2. No. 2 Fuel Oil. The No. 2 fuel oil sulfur content shall not exceed 0.05 percent, by weight, as measured by applicable test methods (see specific condition A.36.).

[PSD-FL-137(A)]

A.31. Renewal Tests Required. Compliance tests shall be performed for VOCs, Fl, NH₃, and H₂SO₄ mist once every 5 years. The tests shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emission limits in specific conditions **A.5.** and **A.8.**
 [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

A.32. Additional Compliance Tests. Compliance tests shall be performed for Hg, Be, and Pb until three consecutive tests (including, if successful, the initial compliance test) are within the annual emission limits specified in specific condition **A.5.** Such tests shall occur, as necessary, in the first, fifth, and tenth years and additional successive five year intervals following commercial operation.
 [PA 88-24(A)]

A.33. The following test methods and procedures, or equivalent methods after obtaining prior written Department approval, shall be used for compliance testing:

Purpose / Substance	Test Methods
Selection of sample site and sample traverses	EPA Method 1
Determining stack gas flow rate	EPA Method 2
Gas analysis for calculation of percent O ₂ and CO ₂	EPA Method 3 or 3A
Determining stack gas moisture content to convert the flow rate from actual standard cubic feet (ascf) to dry standard cubic feet (dscf)	EPA Method 4
PM	EPA Method 5- or 17, or 29
SO ₂	EPA Method 6, 6B, 6C, or 8
NO _x	EPA Method 7, 7A, 7C, 7D, or 7E
H ₂ SO ₄ mist	EPA Method 8
VE	EPA Method 9
CO	EPA Method 10
Pb	EPA Method 12 or 29
Fl	EPA Method 13A or 13B
SO ₂ removal efficiency	EPA Method 19
VOCs	EPA Method 18 or 25
Hg	EPA Method 101A or 29
Be	EPA Method 104 or 29
PM ₁₀	EPA Method 201 or 201A
NH ₃	EPA Conditional Method 27

[Rules 62-213.440, and 62-297.401, F.A.C.; 40 CFR 60 and 61; PSD-FL-137 (A); initial Title V permit application received 6/14/96; and, applicant request in Title V Draft Permit Comments received 02/12/99]

A.62. Fuel shall not be burned in any CFB boiler unless the control devices are operating properly pursuant to 40 CFR 60, Subpart Da.
[PSD-FL-137(A)]

A.63. Mercury Control. CFB technology and baghouses (see specific condition A.10.) shall be used for control of Hg to comply with the emission limitations of specific condition A.5. No additional control shall be required, at this time, as long as the compliance tests required in specific condition A.32. demonstrate that the emission limitation is being met.
[Rule 62-213.440, F.A.C.; and, letter from Hamilton S. Oven dated April 6, 1995.]

A.64. Recycle Rejects Test Burn. To the extent that it is consistent with A.3., A.5., and A.6., the SETTLEMENT AND RELEASE AGREEMENT made on July 24, 1998, by and between Smurfit Stone Container Corporation and Cedar Bay Generating Company, and the following, CBCP may burn all or a portion of the short fiber rejects generated by SKC in processing recycled paper. Prior to burning the rejects as a supplemental fuel however, CBCP shall conduct a test burn to determine the effects of burning the rejects. At least (90) days prior to any proposed test burn, CBCP shall submit a plan to the Department for conducting a 30-day test burn designed to ascertain whether the CFB's can burn the rejects as supplemental fuel without exceeding any of the limitations on emissions and fuel usage contained in A.3., A.4., and A.6., and without causing any operational problems which would affect the reliable operation (with customary maintenance) of the CFB's and without violating any other environmental requirements. CBCP shall notify the Department and the Regulatory and Environmental Services Department (RESD) at least (30) days prior to initiation of the test burn. The results of the test burn and CBCP's analysis shall be reported to the Department and to the RESD within forty-five (45) days of completion of the test burn. The Department shall notify CBCP within thirty (30) days thereafter of its approval or disapproval of any conclusion by CBCP that the test burn demonstrated that the rejects can be burned in compliance with this condition. The permittee shall submit a plan to the Department for conducting a 30-day test burn. That test burn shall be designed to ascertain whether the CFB boilers can burn the rejects as supplemental fuel without exceeding any of the limitations on emissions and fuel usage contained in specific conditions A.3., A.5., and A.6. and without causing any operational problems which would affect the reliable operation (with customary maintenance) of the CFB boilers and without violating any other environmental requirements. Before burning any recycle rejects, CBCP shall re-evaluate the test burn plan that was submitted to the Department in November of 1993. If it is still valid, the permittee shall notify the Department and the (AWQD) at least thirty (30) days prior to initiation of the test burn. If the previously submitted plan is not still valid, a new plan shall be submitted at least 90 days prior to conducting a test burn. The results of the test burn and the permittee's analysis shall be reported to the Department and to AWQD within forty five (45) days of completion of the test burn. The Department shall notify the permittee within thirty (30) days thereafter of its approval or disapproval of any conclusion by the permittee that the test burn demonstrated that the rejects can be burned in compliance with this condition.
[PSD-FL-137(A)]

Subsection B. This section addresses the following emissions units.

E.U. ID No.	Brief Description: Material Handling Systems and Treatment Operations
-004	Absorber Dryer System Train - 1 (Dryer and Handling System)
-005	Absorber Dryer System Train - 2 (Dryer and Handling System)
-009, -025	ADS Storage Bins (1 & 2)
-010	Bed Ash Hopper
-011	Bed Ash Separator/Collector
-012, -026	Fly Ash Separators/Collectors (1 & 2)
-013	Pelletizer Bed Ash Receiver Bin
-014	Pelletizer Fly Ash Receiver Bin
-015	Pellet Vibratory System
-016	Pellet Recycle Tank
-017	Pelletizing Recycle Hopper
-018	Cured Pellet Screening Conveyor System
-019	Pellet Recycle Conveyor
-021	Ash Pellet Hydrator
-022	Ash Pellet Curing Silos
-023	Ash Pelletizing Pans
-029	Pellet Railcar Loadout
-030	Dry Ash Rail Car/Truck Loadout
-031	Pulverized Limestone Feeders (6)
-032	Bed Ash Silo Vent (for transfers to silo and emissions control for truck loadout)
-033	Fly Ash Silo Vent (for transfers to silo and emissions control for truck loadout)

These emissions units are associated with the material handling and treatment operations for limestone and ash. Limestone delivered to the facility is stored in an open pile. The limestone is transferred by a front end loader from the pile to a reclaim hopper. An enclosed feeder directs the limestone into the Absorber Dryer System (ADS) trains. One ADS train, of which there are two identical trains (ADS-1 & ADS-2), consists of: a No. 2 fuel oil-fired dryer, a limestone crusher, a limestone cyclone classifier, a limestone screener, and a limestone vibrating pan conveyor. Each ADS train operates at a throughput rate of 49,000 acfm. Pulverized limestone product is directed by rotary feeder to two ADS storage bins (ADS Storage Bin 1 and ADS Storage Bin 2). The pulverized limestone is transferred to the CFB boilers by 6 feeders. ADS Storage Bin-1 supplies CFB boilers A and B through 3 feeders at a throughput rate of 6,840 acfm and ADS Storage Bin-2 feeds CFB Boiler C through 3 feeders at a throughput rate of 6,993 acfm.

Either ash loadout or ash pelletizing operations are used to process the fly ash and the bed ash generated by the three fluidized bed boilers. Dry ash loadout refers to the loading of dry fly ash and bed ash onto rail cars or sealed trucks. Boiler bed ash is discharged into a surge hopper with overflow going to wheelbarrows. The fly ash is discharged from the boiler flue gas baghouses into hoppers. The bed ash and fly ash are transferred in separate streams through dry cyclone separator/collectors that discharge

into silos. The ash may be loaded into railcars or sealed dry bulk trailer trucks from these silos. ~~Ash pelletizing refers to all operations necessary for ash pelletization that are not also necessary for dry ash loadout. For this system, bed ash and fly ash are each transferred from the dry ash loadout silos to bed ash and fly ash receivers. The bed ash discharges into a weigh hopper connected to a hydrator mixer. The hydrated bed ash and untreated fly ash from the receiver are combined and directed to two ash pan pelletizers and the resulting product is transferred to two pellet curing silos. The ash pellets are sent through two hoppers connected to two pellet screens. Pellets with insufficient particle size pass through the screen and are recycled through the pelletizing system. The remaining pellets are sent to hoppers that discharge into rail cars. Pellet screen overflow is directed to a temporary rail loading station.~~

{Permitting note(s): These emissions units are regulated under Rule 62-212.400, F.A.C., Prevention of Significant Deterioration and, permittee requested limitations established in PSD-FL-137(A, B & C). In addition, the limestone handling/treatment emission units are regulated under NSPS - 40 CFR 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, adopted and incorporated by reference in Rule 62-204.800(7), F.A.C. Particulate matter and visible emissions from the material handling units/operations listed in the table above are controlled by either a fabric filter or a baghouse system, ~~except for the ash pellet hydrator, ash pellet curing silos, and ash pelletizing pan, which are controlled by a scrubber system.~~ Fugitive emissions from the dry ash rail car/truck loadout operation shall be controlled by using closed or covered containers under negative air pressures during ash loadout; and by using water sprays prior to removal of the rail car loadout cap when loading open rail cars. Information regarding flow conditions is as follows:

<u>E.U. ID No.</u>	<u>Brief Description: Material Handling Systems and Treatment Operations</u>	<u>Stack Height (ft)</u>	<u>Exit Diameter (ft)</u>	<u>Exit Temp. (°F)</u>	<u>Actual Volumetric Flow Rate (acfm)</u>
-004,	Absorber Dryer System Train - 1	63	4.17	195	49,000
-005,	Absorber Dryer System Train - 2	63	4.17	195	49,000
-021	Ash Pellet Hydrator	110	2.13	95.7	15,900
-023	Ash Pelletizing Pan	30	2.23	90	14,740

E.U. ID No.	Brief Description: Material Handling Systems and Treatment Operations	Nonstack Emission Point Height (ft)	Exit Temp. (°F)	Actual Volumetric Flow Rate (acfm)	Maximum Process or Through-put Rate (acfm)
-009	ADS Storage Bin - 1	90	102	6,840	6,840
-025	ADS Storage Bin - 2	90	89	6,993	6,993
-010	Bed Ash Hopper	125	96	N/A	670
-011	Bed Ash Separator/Collector	104	223	N/A	5,345
-013	Pelletizer Bed Ash Receiver Bin	125	101	N/A	4,000
-014	Pelletizer Fly Ash Receiver Bin	128	119	N/A	4,625
-012	Fly Ash Separator/Collector - 1	138	197	N/A	5,974
-026	Fly Ash Separator/Collector - 2	138	200	N/A	6,074
-027	Bed Ash Receiver	N/A	N/A	N/A	N/A
-028	Fly Ash Receiver	N/A	N/A	N/A	N/A
-015	Pellet Vibratory System	25	104	N/A	15,000
-016	Pellet Recycle Tank	120	70	N/A	1,100
-017	Pelletizing Recycle Hopper	115	89	N/A	754
-018	Cured Pellet Screening Conveyor System	15	99	N/A	2,100
-019	Pellet Recycle Conveyor	15	N/A	N/A	1,562
-029	Pelletizing Rail Loadout	40	85	N/A	4,500
-030	Dry Ash Rail Car/Truck Loadout	N/A	120	6,000	20,000
-022	Ash Pellet Curing Silos	85	98	N/A	6,531
-031	Pulverized Limestone Feeders (6)	50	77	N/A	365
-032	Bed Ash Silo Vent	104	80	N/A	1,800
-033	Fly Ash Silo Vent	138	127	N/A	3,700

End of Permitting Notes.}

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

B.1. Permitted Capacity.

- a. The maximum material handling/usage rates for limestone, fly ash, and bed ash shall not exceed the following:

Material Handled	Tons/Month¹	TPY
Limestone	27,000	320,000
Fly Ash	28,000	336,000
Bed Ash	8,000	88,000

¹ Based on 30 consecutive days.

- b. The maximum material feed rate to each ADS train shall not exceed 42.6 tons per hour and the volumetric flow rate shall not exceed 42,100 dry standard cubic feet per minute per ADS train.

[PSD-FL-137(A & C)]

B.2. Emissions Unit Operating Rate Limitation After Testing. See specific condition **B.19.**
[Rule 62-297.310(2), F.A.C.]

B.3. Hours of Operation.

- a. The ADS-1 and ADS-2 trains may be operated in any combination for a maximum combined total of 22 hours per day (not to exceed 8,030 combined hrs/yr) at maximum capacity.
- b. Except for the ADS-1 and ADS-2 trains, the rest of the material handling operations may operate continuously, i.e., 8,760 hrs/yr.

[PSD-FL-137(A & C)]

B.4. Methods of Operation.

a. Fuel. The ADS-1 and ADS-2 dryers are permitted to fire only No. 2 fuel oil. The maximum firing rate of No. 2 fuel oil for each ADS dryer shall not exceed 120 gals/hr nor 350,400 gals/yr. This reflects a combined total fuel oil firing rate of 240 gals/hr and 700,800 gals/yr, for the two ADS trains. See specific conditions **B.7.** and **B.17.**

b. Ash Handling.

1. Bed ash and fly ash may be directly removed (as dry ash) from plant property.
2. ~~Bed ash and fly ash may be routed to a pelletizing system prior to removal from plant property.~~
3. ~~The dry ash loadout system and the ash pelletizer system shall not be operated simultaneously.~~
4. The dry ash ~~and pelletized ash~~ shall be loaded only onto rail cars or sealed trucks for removal. Removal of bottom and fly ash from the CBCF site by any means other than by rail or sealed trucks shall require the prior approval of the Department and AWQD of the method of fugitive emissions control.
5. The dry ash ~~and pelletized ash~~ may be loaded onto open or closed rail cars.

[a.: PSD-FL-137(A); b.: PSD-FL-137(C) and applicant request in letter received March 5, 1999]

Emission Limitations and Standards

{Permitting Note: The attached Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit. For limestone handling/treatment emission units, meeting the PSD limits assures compliance with the NSPS limits.}

B.5. Particulate Matter Emissions.

- a. ~~Except for the ash pellet hydrator, ash pellet curing silos and ash pelletizing pan,~~ particulate matter emissions from the emissions units in this subsection shall not exceed 0.003 gr/dscf.
- b. ~~Particulate matter emissions from the ash pellet hydrator, ash pellet curing silos and ash pelletizing pan shall not exceed 0.01 gr/dscf.~~

[PSD-FL-137(A, B & C)]

B.6. Visible Emissions. Visible emissions from the emissions units in this subsection shall not exceed 5% opacity.

[PSD-FL-137(A, B & C)]

B.7. No. 2 Fuel Oil Sulfur Content. The maximum No. 2 fuel oil sulfur content shall not exceed 0.05%, by weight. See specific conditions **B.4.** and **B.17.**

[PSD-FL-137(A)]

Excess Emissions

{Permitting note: The Excess Emissions Rule at Rule 62-210.700, F.A.C., cannot vary any requirement of an NSPS or NESHAP provision.}

B.8. 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 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.]

Emission Controls

B.10. Control Systems.

a. Particulate Matter and Visible Emissions. For the above referenced material handling emissions units/operations, the control systems shall be either a fabric filter or baghouse system, ~~except for the ash pellet hydrator, ash pellet curing silos, and ash pelletizing pan.~~

b. ~~Particulate Matter and Visible Emissions. For the ash pellet hydrator, ash pellet curing silos and ash pelletizing pan, the control system shall be a scrubber.~~

c. Fugitive Particulate Matter and Visible Emissions. For dry ash rail car loadout, fugitive emissions shall be controlled by loading under negative pressure into either closed containers or open containers fitted with a rail car loadout cap; and, by using water sprays to create a crust on the top layer prior to removal of the rail car loadout cap when loading open rail cars.

[PSD-FL-137(A, B & C)]

Monitoring of Operations

B.11. Determination of Process Variables.

- (a) Required Equipment. The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
- (b) Accuracy of Equipment. Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5), F.A.C.]

Test Methods and Procedures

{Permitting note: Table 2-1, 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.12. Annual Tests Required. Annual visible emissions compliance tests shall be performed for all emissions units in this subsection. ~~Annual particulate matter emissions compliance tests shall be performed for the following units: ash pellet hydrator, ash pellet curing silos, and ash pelletizing pan.~~

[Rule 62-297.310(7), F.A.C. ; and, PSD FL-137(A)]

B.13. Visible Emissions. The test method for visible emissions shall be EPA Method 9, incorporated in Chapter 62-297, F.A.C.

[PSD-FL-137(A)]

B.14. Particulate Matter Emissions.

- a. ~~Except for the ash pellet hydrator, ash pellet curing silos and ash pelletizing pan,~~ the test method for particulate matter emissions shall be EPA Method 5 or 17, incorporated in Chapter 62-297, F.A.C.
- b. ~~The test method for particulate matter emissions from the ash pellet hydrator, ash pellet curing silos and ash pelletizing pan shall be EPA Method 5, incorporated in Chapter 62-297, F.A.C.~~

[PSD-FL-137(A & C)]

B.15. Subsequent to the initial particulate matter mass emissions test that was required by PSD-FL-137(A, B, & C), neither the Department nor the AWQD shall require a particulate matter mass emissions test unless the visible emissions limit of 5% opacity is exceeded for a given emissions unit, or unless the Department or the AWQD, based on other information, has reason to believe that the particulate matter emissions limit is being violated. This provision applies only to those sources equipped with a baghouse.

[Rule 62-297.620(4), F.A.C.; and, PSD-FL-137(A, B & C)]

Appendix PSS-1

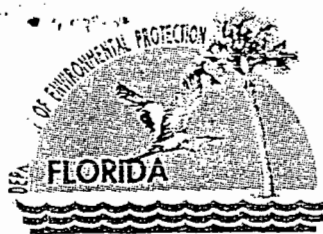
For the specific periods defined below, the emission limits of Carbon Monoxide (CO) shall be as follows:

Warm startup - emissions up to 186 lb/hr (no lb/MMBtu limit) with sufficient documentation

Cold startup - up to 10 hours (per cold startup) of CO data may be eliminated from the data used to determine compliance with the 8-hour rolling average limit with sufficient documentation

Refractory Curing - Must notify agency at least 24 hours prior to commencing; CO data may be eliminated from the data used to determine compliance with the 8-hour rolling average limit with sufficient documentation

The CO emissions limit of 758 TPY per boiler via 12-month rolling average is inclusive of all periods of operation including those noted above.



Department of Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

March 9, 2000

Mr. Jeffrey Walker
Environmental Manager
Cedar Bay Generating Company, L.P.
P.O. Box 26324
Jacksonville, Florida 32226

Re: DEP File No. PA 88-24; Modification of Permit No. PSD-FL-137
Cedar Bay Generating Plant / Duval County

Dear Mr. Walker:

The applicant, Cedar Bay Generating Company, L.P., applied on March 22, 1999, to the Department for a modification to PSD permit number PSD-FL-137 for its Cedar Bay Generating Plant located in Duval County. The modification is to allow the three fluidized bed circulating boilers (A, B and C) to operate with changes to their method of compliance for startup and shutdown, SO₂ emissions, mercury testing, heat input and stack testing methodology. The Department has reviewed the modification request. The referenced permit is hereby modified as follows:

Specific Condition No. II.A.3:

3. Flue gas emissions from each CFB shall not exceed the following:

Pollutant	Emission Limitations		TPY	TPY for 3 CFBs
	lbs/MMBtu	lbs/hr.		
CO ₂	0.175 ¹	186 ¹	758 758 ⁴	2273
NCx	0.17 ²	180.7 ²	736.1	2208
SO ₂	0.24 ³ 0.30 ³	255.4 318.9 ³	--	--
	0.20 ⁴ 0.20 ²	--	866	2598
VOC	0.015	16.0	65	195
PM	0.018	19.1	78	234
PM ₁₀	0.018	19.1	78	234
H ₂ SO ₄ mist	4.66 x 10 ⁻⁴	0.50	2.0	6.1
Fluorides	7.44 x 10 ⁻⁴	0.79	3.2	9.7
Lead	6.03 x 10 ⁻⁵	0.06	0.26	0.78
Mercury	2.89 x 10 ⁻⁵	0.03	0.13	0.38
Beryllium	8.70 x 10 ⁻⁶	0.01	0.04	0.11

[Note: TPY represents a 93% capacity factor.]

- 1 Eight-hour rolling average, except for initial and annual compliance tests and the CEM certification, when the 1-hour applies.
- 2 Thirty-day rolling average.
- 3 Three-hour rolling average.
- 4 Twelve-Month rolling average.
- 5 See Specific Condition II.A.9.e. for alternative CO emission limits during specific operating modes.

"More Protection, Less Process"

Printed on recycled paper.

Specific Condition No. II.A.1.c.:

- c. The maximum heat input to each CFB shall not exceed 110% of 1063 MMBtu/hr (1169 MMBtu/hr). Additionally, the facility shall not exceed This reflects a combined total of 3189 MMBtu/hr. for all three units. The facility heat input limit shall be based upon the number of operating boilers at the facility. Specifically, the combined maximum heat input shall not exceed:
1063 MMBtu/hr if only one boiler is operating.
2126 MMBtu/hr if only two boilers are operating and
3189 MMBtu/hr if all three boilers are operating.

{Permitting note: The heat input limitations have been placed in the permit to identify the capacity of each emissions unit for purposes of confirming that emissions testing is conducted within 90-100 percent of the emissions unit's rated capacity (or to limit future operation to 110 percent of the test load). to establish appropriate limits and to aid in determining future rule applicability.}

Specific Condition No. II.A.1.h.:

h. To the extent that it is consistent with Specific Condition No. II.A.1.b., the SETTLEMENT AND RELEASE AGREEMENT made on July 24, 1998, by and between Smurfit Stone Container Corporation and Cedar Bay Generating Company, L.P., and the following, CBCP shall may burn all or a portion of the short fiber rejects generated by SKC in processing recycled paper. Prior to burning the rejects as a supplemental fuel however, CBCP shall conduct a test burn to determine the effects of burning the rejects. No less than At least ninety (90) days prior to completion of construction any proposed test burn, CBCP shall submit a plan to the Department for conducting a 30-day test burn within one year after initial compliance testing. That test burn shall be designed to ascertain whether the CFBs can burn the rejects as supplemental fuel without exceeding any of the limitations on emissions and fuel usage contained in Specific Condition No. II.A. and without causing any operational problems which would affect the reliable operation (with customary maintenance) of the CFBs and without violating any other environmental requirements. CBCP shall notify the Department and the Regulatory and Environmental Services Department (RESD) at least thirty (30) days prior to initiation of the test burn. The results of the test burn and CBCP's analysis shall be reported to the Department and to the RESD within forty-five (45) days of completion of the test burn. The Department shall notify CBCP within thirty (30) days thereafter of its approval or disapproval of any conclusion by CBCP that the test burn demonstrated that the rejects can be burned in compliance with this condition.

Specific Condition No. II.A.2.c.:

c. CBCP shall conduct a test to determine whether substantial additional removal of mercury can be obtained through a carbon injection system for mercury removal, as described in Exhibit 74 of the administrative record for the Lee County Resource Recovery Facility, which feeds carbon reagent into the CFB exhaust stream prior to the baghouse. Within one hundred eighty (180) days after initial compliance testing, CBCP shall conduct a test on one CFB to compare mercury emissions to the atmosphere with and without carbon injection. The test program will include the testing of carbon injection between the boiler and the fabric filter. Carbon forms to be tested may include activated carbon with or without additives and pulverized coal with or without additives. After consultation with the Department, RESD and EPRI, CBC shall submit a mercury control test protocol to the Department for approval by December 1, 1993. Results of the test shall be submitted to the Department within 90 days of completion. Mercury testing shall not be routinely required. However, should the Department have reason to believe that a change in mercury emissions has occurred (e.g. via a change in fuel quality, particulate removal equipment, etc.) mercury testing shall be required.

Specific Condition No. II.A.8.e.:

e. The following test methods and procedures pursuant to Chapter 17-297, F.A.C., and 40 CFR 60 and 61, or by equivalent methods after obtaining prior written Department approval, shall be used for compliance testing:

- (5) Method 29, Method 5 or Method 17 for particulate matter.
- (11) Method 29, Method 12 for lead.
- (15) Method 29, Method 101A for mercury.
- (16) Method 29, Method 104 for beryllium.

Specific Condition No. II.A.9.e.:

- e. For purposes of reports required under this permit, excess emissions are defined as any calculated average emission concentration, as determined pursuant to Specific Condition No. II.A.11., herein, which exceeds the applicable emission limit in Specific Condition No. II.A.3 with the following exceptions. For the specific periods defined below, the emission limits of Carbon Monoxide (CO) shall be as follows:

Warm startup – emissions up to 186 lb/hr (no lb/MMBtu limit) with sufficient documentation

Cold startup – up to 10 hours (per cold startup) of CO data may be eliminated from the data used to determine compliance with the 8-hour rolling average limit with sufficient documentation

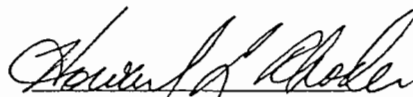
Refractory Curing – Must notify agency at least 24 hours prior to commencing. CO data may be eliminated from the data used to determine compliance with the 8-hour rolling average limit with sufficient documentation

The CO emissions limit of 758 TPY per boiler via 12-month rolling average is inclusive of all periods of operation including those noted above.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit modification is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit modification) has the right to seek judicial review of it under Section 120.68, F.S., 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.



Howard L. Rhodes, Director
Division of Air Resources
Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this permit modification was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 3-9-00 to the person(s) listed:

- J. A. Walker, Cedar Bay Cogenerating Company, L.P. *
- Hamilton S. Oven, P.E.
- James L. Manning, P.E., RESD
- Doug Neeley, EPA
- John Bunyak, NPS
- Chris Kirts, DEP-NED

Clerk Stamp

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

Kimi Jober
(Clerk)

3-9-00
(Date)

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ 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. 	<p>A. Received by (Please Print Clearly) B. Date of Delivery <i>Shelly Arnold</i> 7/11/09</p> <p>C. Signature <i>Shelly Arnold</i></p> <p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>
<p>1. Article Addressed to:</p> <p>Mr. Randy Cole General Manager Cedar Bay Generating Company, L.P. P.O. Box 26324 Jacksonville, FL 32226</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <hr/> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Copy from service label) 7000 0520 0020 9371 1748</p>	

PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-00

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

8421
1236
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Mr. Randy Cole, General Manager

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$	

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