



MEMORANDUM

TO: Joseph Kahn, Director of DARM

THROUGH: Trina Vielhauer, Chief of BAR 

FROM: Jeff Koerner, Permitting North 

DATE: September 20, 2006

SUBJECT: Final Permit No. 0310337-012-AC
Cedar Bay Cogeneration Facility
ADS Units 1 and 2 – Distillate Oil Firing Increase

Attached for approval and signature is a final air construction permit modification for the above referenced project. In April of 2006, Permit No. 0310337-011-AC was issued to install Absorber Dryer System (ADS) Unit 3, which is currently under construction. ADS Unit 3 will become the primary system for processing limestone as a reactant for the existing circulating fluidized bed boilers to control SO₂ emissions. Existing ADS Units 1 and 2 will become reserve units for this purpose. This permit authorizes a temporary increase in the annual distillate oil firing rate until new ADS Unit 3 is operational. There will be no PSD-significant emissions increases from this project.

The applicant published the "Public Notice of Intent to Issue" in the Florida Times-Union on September 4, 2006. The Department received the proof of publication on September 20, 2006. No petitions for administrative hearings or extensions of time to petition for an administrative hearing were filed. As discussed in the attached Final Determination, the applicant provided comments that resulted in a minor change.

I recommend your approval and signature.

PERMITTEE

Cedar Bay Generating Company, L.P.
9640 Eastport Road
Jacksonville, Florida 32218-2260

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation, Air Permitting North Program
2600 Blair Stone Road, MS #5505
Tallahassee, Florida, 32399-2400

PROJECT

Air Permit No. 0310337-012-AC
Cedar Bay Cogeneration Facility – ADS Units 1 and 2 (Emissions Units 004 and 005)

The permit authorizes a temporary distillate oil firing increase for existing Absorber Dyer System (ADS) Units 1 and 2 until commercial operation is established for the new ADS Unit 3, which is under construction in accordance with Permit No. 0310337-011-AC. The existing units operate at the Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road, Jacksonville, Duval County, Florida.

NOTICE AND PUBLICATION

The Department distributed an “Intent to Issue Permit” package on August 18, 2006. The applicant published the “Public Notice of Intent to Issue” in the Florida Times-Union on September 4, 2006. The Department received the proof of publication on September 20, 2006. No petitions for administrative hearings or extensions of time to petition for an administrative hearing were filed.

COMMENTS/CHANGES

No comments on the Draft Permit were received from the public, the Department’s NED Office, or the City of Jacksonville. The applicant provided comments on the draft permit, which are listed below with the Department’s response.

Comment: The proposed permit authorizes an increase in the distillate oil limit for each ADS unit during any 12 consecutive months. It was Cedar Bay’s intent that the distillate oil limit be specified as an aggregate limit for ADS Units 1 and 2. This will provide more operational flexibility for the units and prevent possible shortages of processed limestone needed for SO₂ control on the existing circulating fluidized bed boilers. In place of the limit on each unit, the applicant requests the equivalent aggregate limit.

Response: The request is minor and results in no additional impacts. The final condition is changed as follows:

“Each limestone dryer (ADS Units 1 and 2) shall fire only No. 2 fuel oil with a maximum sulfur content of 0.05% sulfur by weight. ~~For each unit, oil firing shall not exceed 120 gal/hr, or and or 498,000 gallons during any 12 consecutive months. Once~~ The maximum oil firing rate is 120 gal/hour/unit. The two units combined shall not fire more than 996,000 gallons during any consecutive 12 months. Upon establishing commercial operation of the new dryer system train (ADS Unit 3) permitted by air construction permit 0310337-011-AC, combined oil firing from ADS Units 1 and 2 shall not exceed ~~120 gallons/hour nor 350,400~~ 700,800 gallons during any consecutive 12 months ~~for each unit~~. The first month of the consecutive 12-month period for this limit shall begin the first month after commercial operation is established for the new dryer system train.”

Note: In the final documents, it was also clarified throughout that ADS Units 1 and 2 are Emissions Units 004 and 005.

CONCLUSION

The final action of the Department is to issue the permit with the changes described above.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF FINAL PERMIT MODIFICATION

In the Matter of an
Application for Permit by:


Mr. Richard Grubb, General Manager
Cedar Bay Generating Company, L.P.
9640 Eastport Road
Jacksonville, Florida 32218-2260

Cedar Bay Cogeneration Facility
Permit No. 0310337-012-AC
Modification to PSD-FL-137
Oil Firing Increase - ADS Units 1 and 2

Cedar Bay Generating Company submitted an application requesting a temporary fuel oil increase of 295,200 gallons per year at Absorber Dyer System (ADS) Units 1 and 2 (Emissions Units 004 and 005) until commercial operation is established for the new ADS Unit 3 train permitted by air construction permit 0310337-011-AC. The existing units operate at the Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road, Jacksonville, Duval County, Florida. The final permit modification is enclosed, which approves this request. This permit modification is issued pursuant to Chapter 403, Florida Statutes. A copy of this letter shall be filed with the referenced permit and shall become part of the permit.

Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty (30) days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.


Joseph Kahn, P.E., Director
Division of Air Resource Management

CERTIFICATE OF SERVICE

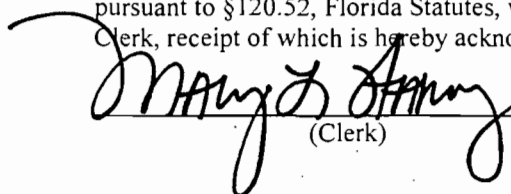
The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 9/25/06 to the persons listed:

Richard Grubb, Cedar Bay*
Jeff Walker, Cedar Bay
Ken Kosky, P.E., Golder and Associates
Richard Robinson, P.E., City of Jacksonville EQD

Chris Kirts, NED Office
Hamilton Oven, DEP Siting Office
Dot Mathias, Northside Civic Association

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)

9/25/06
(Date)

FINAL PERMIT REVISION

Permit No. 0310337-012-AC
Modification of Permit No. PSD-FL-137

No further construction is authorized by this action. The following permit condition is revised as follows. All other conditions remain in effect.

Specific Condition No. 8 as related to ADS Units 1 and 2 (Emissions Units 004 and 005) is hereby changed:

From: The maximum No. 2 fuel oil with maximum sulfur content of 0.05% sulfur by weight firing for each limestone dryer shall not exceed 120 gal/hr, or 350,400 gal/year. This reflects a combined total fuel oil firing rate of 240 gal/hr, and 700,800 gals/year for the two dryers.

To: Each limestone dryer (ADS Units 1 and 2) shall fire only No. 2 fuel oil with a maximum sulfur content of 0.05% sulfur by weight. The maximum oil firing rate is 120 gal/hour/unit. The two units combined shall not fire more than 996,000 gallons during any consecutive 12 months. Upon establishing commercial operation of the new dryer system train (ADS Unit 3) permitted by air construction permit 0310337-011-AC, combined oil firing from ADS Units 1 and 2 shall not exceed 700,800 gallons during any consecutive 12 months. The first month of the consecutive 12-month period for this limit shall begin the first month after commercial operation is established for the new dryer system train.

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. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: Mr. Richard Grubb General Manager Cedar Bay Generating Company, L.P. 9640 Eastport Road Jacksonville, Florida 32218-2260	B. Received by (Printed Name) <i>Shelly Arnold</i> C. Date of Delivery <i>8/28/00</i> D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
2. Article Number <i>(Transfer from service label)</i>	3. Service Type <input 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.
PS Form 3811, February 2004	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes 7005 1160 0004 3034 4912 Domestic Return Receipt

102595-02-M-1540

U.S. Postal Service CERTIFIED MAIL RECEIPT <i>(Domestic Mail Only, No Insurance Coverage Provided)</i>	
OFFICIAL USE	
Postage \$ Certified Fee Return Receipt Fee (Endorsement Required) Restricted Delivery Fee (Endorsement Required)	Postmark Here
St Si Ci	Mr. Richard Grubb General Manager Cedar Bay Generating Company, L.P. 9640 Eastport Road Jacksonville, Florida 32218-2260
PS Form 3800, May 2000. See Reverse for Instructions	

7000 1670 0013 3110 0901

Florida Department of Environmental Protection
Draft Air Permit No. 0310337-012-AC
Cedar Bay Generating Company, L.P. - Cedar Bay Cogeneration Facility
Duval County, Florida

THE FLORIDA TIMES-UNION
Jacksonville, FL
Affidavit of Publication

Florida Times-Union

CEDAR BAY CONGENERATION PLANT
PO BOX 26324
JACKSONVILLE FL 32236

REFERENCE: 0181153
R125405 Public Notice

State of Florida
County of Duval

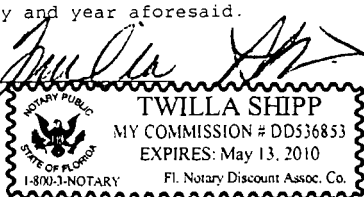
Before the undersigned authority personally appeared Sharon Walker who on oath says she is a Legal Advertising Representative of The Florida Times-Union, a daily newspaper published in Jacksonville in Duval County, Florida; that the attached copy of advertisement is a legal ad published in The Florida 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: 09/04

FILED ON: 09/04/06

Name: Sharon Walker Title: Legal Advertising
In testimony whereof, I have hereunto set my hand and seal, the day and year aforesaid.

NOTARY:



Applicant: The applicant for this project is Cedar Bay Generating Company, L.P. The applicant representative and mailing address is Richard Grubb, 9640 Eastport Road, Jacksonville, Florida
Facility Location: Cedar Bay Generating Company operates Cedar Bay Cogeneration Facility 9640 Eastport Road, in Duval County Florida.

Project: The facility currently has two absorber dryer system (ADS) trains (Units 4 and 5) which are permitted to burn 700,800 gallons of No 2 fuel oil per year. The two ADS Units process limestone which is used to control sulfur dioxide emissions from the existing circulating fluidized bed boiler. The ADS units are experiencing operational problems including a loss of fuel efficiency. The applicant proposes to increase the combined amount of fuel oil burned at ADS Units 4 and 5 at the Cedar Bay Cogeneration Facility to 996,000 gallons per year. The Department has already issued air construction permit no. 0310337-012-AC for the construction of a new ADS system which was required by the City of Jacksonville's Environmental Management Department (ERMD) consent order AP-06-3. Once commercial operation is established, Cedar Bay will only operate ADS Units 4 and 5 as backup to the new system. This will not change any of the emissions standards. ADS Units 4 and 5 would be subject to all standards of the facility's Title V permit. Once commercial operation is established for the new ADS unit, the firing limit will revert back to the current limit of 700,800 gallons per year for ADS Units 4 and 5.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212, Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements. A permit is required to perform the proposed work. The Bureau of Air Regulation is the authority responsible for making a permit determination for this project. The Permitting Authority's physical address is 100 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is 100 Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 904/488-0114.

Project File: A complete project file is available for public inspection during the normal business hours from 9:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the address indicated above. The complete project file includes the Draft Permit, the Technical Evaluation Report, the Determination, the application, and the information submitted by the applicant, exclusive of the information under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project manager for additional information at the address or phone number listed above. A copy of the complete project file is available at the City of Jacksonville's Environmental Resource Management Department. The telephone number is 904/630-4900.

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue a permit for the project described above. The applicant has provided reasonable assurance that the proposed equipment will not adversely impact air quality and that the project will comply with the provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment is received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the proposed project during the period of fourteen (14) days from the date of publication of this Public Notice. Written comments should be submitted to the Permitting Authority at the above address. Any written comments filed will be made available for public inspection. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice.

Petitions: A person whose substantial interests are affected by the proposed permit decision shall have the right to petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition shall be filed with the Department of Environmental Protection, Agency C, General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to file a petition under Section 120.60(3), F.S. must be filed within fourteen (14) days of publication of this Public Notice. Under Section 120.60(3), F.S., however, any person may file a petition with the Permitting Authority for notice of agency action may file a petition within fourteen (14) days of the date of publication, regardless of the date of publication. A petitioner shall mail a copy of the petition to the address indicated above, at the time of filing. The failure of any person to file a petition within the period shall constitute a waiver of that person's right to request an administrative determination under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to the proceeding. Intervention will be only at the approval of the presiding officer upon the filing of a motion in accordance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based shall state the following information: (a) The name and address of each agency affected and each agency's telephone number, if known; (b) The name, address and telephone number of the petitioner; the name and address of the petitioner's representative, if any, which shall be the address for service purposes for the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the proposed action; (c) A statement of how and when the petitioner received notice of the agency's proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petitioner shall state a concise statement of the ultimate facts alleged, including the specific facts the petitioner contends are in dispute; (e) A statement of the specific facts the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the 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 required by Rule 28-106.301, F.A.C.

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

Mediation: Mediation is not available for this proceeding.

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

RECEIVED

SEP 20 2006

POB 26324
Jacksonville, FL 32226

9640 Eastport Road
Jacksonville, FL 32218

904.751.4000
Fax: 904.751.7320

September 19, 2006

BUREAU OF AIR REGULATION

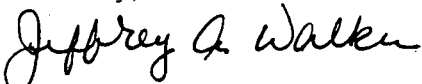
Mr. Jeff Koerner, Engineer
Florida Department of Environmental Protection
Division of Air Resource Management
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Fl. 32399-2400

Dear Mr. Koerner:

Pursuant to the Department's instructions issued with Cedar Bay's Draft Permit (Project No. 0310337-012-AC), please find the notarized Affidavit of Publication for Cedar Bay's Public Notice Of Intent To Issue Air Permit as published in the Florida Times Union on September 4, 2006. Cedar Bay previously provided the Department a hard copy of the Public Notice via correspondence dated September 5, 2006

Please contact me by telephone at 904-696-1547 or by e-mail at jeffwalker@cogentrix.com if any other information is needed regarding the Public Notice.

Sincerely,



Jeffrey A. Walker
Environmental Manager

cc: Mr. Mark Casper, Cogentrix Energy-Charlotte
Mr. Ken Kosky, Golder
Mr. Tracy Patterson, Cedar Bay

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

RECEIVED

SEP 20 2006

POB 26324
Jacksonville, FL 32226

9640 Eastport Road
Jacksonville, FL 32218

904.751.4000
Fax: 904.751.7320

BUREAU OF AIR REGULATION

September 19, 2006

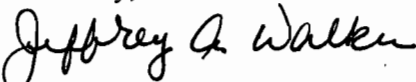
Mr. Jeff Koerner, Engineer
Florida Department of Environmental Protection
Division of Air Resource Management
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Fl. 32399-2400

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Please contact me by telephone at 904-696-1547 or by e-mail at jeffwalker@cogentrix.com if any other information is needed regarding the Public Notice.

Sincerely,



Jeffrey A. Walker
Environmental Manager

cc: Mr. Mark Casper, Cogentrix Energy-Charlotte
Mr. Ken Kosky, Golder
Mr. Tracy Patterson, Cedar Bay

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection
 Draft Air Permit No. 0310337-012-AC
 Cedar Bay Generating Company, L.P. - Cedar Bay Cogeneration Facility
 Duval County, Florida

THE FLORIDA TIMES-UNION
 Jacksonville, FL
 Affidavit of Publication

Florida Times-Union

CEDAR BAY CONGENERATION PLANT
 PO BOX 26324
 JACKSONVILLE FL 32236

REFERENCE: 0181153
 R125405 Public Notice

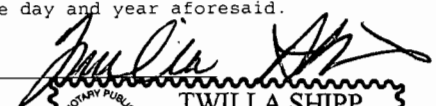
State of Florida
 County of Duval

Before the undersigned authority personally appeared Sharon Walker 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: 09/04

FILED ON: 09/04/06

Name: Sharon Walker Title: Legal Advertiser
 In testimony whereof, I have hereunto set my hand and seal, the day and year aforesaid.

NOTARY: 


Applicant: The applicant for this project is Cedar Bay Generating Company, L.P. The applicant's authorized representative and mailing address is Richard Grubb, 9640 Eastport Road, Jacksonville, Florida 32218-2260.

Facility Location: Cedar Bay Generating Company operates Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road, in Duval County Florida.

Project: The facility currently has two absorber dryer system (ADS) trains (Units 4 and 5) which together are permitted to burn 700,800 gallons of No. 2 fuel oil per year. The two ADS Units process limestone as a reactant, which is used to control sulfur dioxide emissions from the existing circulating fluidized bed boilers. The ADS trains are experiencing operational problems including a loss of fuel efficiency. The applicant proposes to temporarily increase the combined amount of fuel oil burned at ADS Units 4 and 5 at the Cedar Bay Cogeneration Facility to 996,000 gallons per year. The Department has already issued air construction permit no. 0310337-011-AC for the construction of a new ADS system which was required by the City of Jacksonville's Environmental Resource Management Department (ERMD) consent order AP-06-3. Once commercial operation is established for the new ADS system, Cedar Bay will only operate ADS Units 4 and 5 as backup to the new system. The proposed project will not change any of the emissions standards. ADS Units 4 and 5 would be subject to all standards currently in the facility's Title V permit. Once commercial operation is established for the new ADS unit, the maximum fuel oil firing limit will revert back to the current limit of 700,800 gallons per year for ADS Units 4 and 5.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above. A copy of the complete project file is also available at the City of Jacksonville's Environmental Resource Management Department. The telephone number is 904/630-4900.

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of fourteen (14) days from the date of publication of this Public Notice. Written comments must be provided to the Permitting Authority at the above address. Any written comments filed will be made available for public inspection. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice.

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

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of 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, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation: Mediation is not available for this proceeding.

Memorandum

Florida Department of Environmental Protection

TO: Trina Vielhauer, Chief - Bureau of Air Regulation
THROUGH: Jeff Koerner, Air Permitting North Program *JK*
FROM: Bobby Bull, Air Permitting North Program
DATE: August 16, 2006
SUBJECT: Draft Air Permit No. 0310337-012-AC
Cedar Bay Cogeneration Facility
Fuel Oil Increase at ADS Units 4 and 5

Attached for your review are the following items:

- Intent to Issue Permit and Public Notice Package;
- Technical Evaluation and Preliminary Determination;
- Draft Construction Permit;
- PE Certification

The draft construction permit authorizes the facility to temporarily burn up to a combined total of 996,000 gallons of fuel oil at Absorber Dryer System (ADS) Units 4 and 5 until commercial operation is established for the new Absorber Dryer System train permitted by air construction permit 0310337-011-AC. The equipment is located at the Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road in Duval County, Florida.

The Technical Evaluation and Preliminary Determination provides a detailed description of the project, rule applicability, and emissions standards. The P.E. certification briefly summarizes the proposed projects. Day 90 is October 11, 2006. I recommend your approval of the attached Draft Permit.

Attachments

SENDER: COMPLETE THIS SECTION

- 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.

1. Article Addressed to:

Mr. Richard Grubb
 General Manager
 Cedar Bay Generating Company, L.P.
 9640 Eastport Road
 Jacksonville, Florida 32218-2260

2. Article Number
 (Transfer from service label)

7000 1670 0013 3110 1304

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 Shelly Arnold Addressee

B. Received by (Printed Name) C. Date of Delivery
Shelly Arnold 8/28/06

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No



3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

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

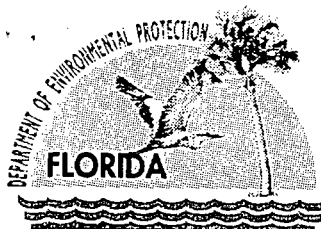
OFFICIAL USE

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Restricted Delivery Fee (Endorsement Required)	

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Mr. Richard Grubb
 General Manager
 Cedar Bay Generating Company, L.P.
 9640 Eastport Road
 Jacksonville, Florida 32218-2260



Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

August 16, 2006

Mr. Richard Grubb
General Manager
Cedar Bay Generating Company, L.P.
9640 Eastport Road
Jacksonville, Florida 32218-2260

Re: Project No. 0310337-012-AC
Cedar Bay Generating Company, L.P. - Cedar Bay Cogeneration Facility
Fuel Oil Increase for ADS Units 4 and 5

Dear Mr. Grubb:

On June 20, 2006, the Department received your application to temporarily increase the combined amount of fuel oil burned at ADS Units 4 and 5 until commercial operation is established for the new Absorber Dryer System train at the Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road, Jacksonville, Duval County, Florida. Enclosed are the following documents: "Technical Evaluation and Preliminary Determination", "Draft Permit", "Written Notice of Intent to Issue Air Permit", and "Public Notice of Intent to Issue Air Permit".

The "Technical Evaluation and Preliminary Determination" summarizes the Permitting Authority's technical review of the application and provides the rationale for making the preliminary determination to issue a Draft Permit. The proposed "Draft Permit" includes the specific conditions that regulate the emissions units covered by the proposed project. The "Written Notice of Intent to Issue Air Permit" provides important information regarding: the Permitting Authority's intent to issue an air permit for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue an air permit; the procedures for submitting comments on the Draft Permit; the process for filing a petition for an administrative hearing; and the availability of mediation. The "Public Notice of Intent to Issue Air Permit" is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project.

If you have any questions, please contact the Project Engineer, Bobby Bull, at 850/921-9585.

Sincerely,

Trina Vielhauer, Chief
Bureau of Air Regulation

Enclosures

"More Protection, Less Process"

Printed on recycled paper.

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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

Cedar Bay Generating Company, L.P.
9640 Eastport Road
Jacksonville, Florida 32218-2260

Authorized Representative:
Mr. Richard Grubb, General Manager

Air Permit No. 0310337-012-AC, PSD-FL-137G
Facility ID No. 0310337
Cedar Bay Cogeneration Facility
Temporary Fuel Oil Increase at ADS Units 4 and 5
Duval County, Florida

Facility Location: Cedar Bay Generating Company, L.P. operates Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road in Duval County, Florida.

Project: The draft air construction permit authorizes the facility to temporarily burn up to a combined total of 996,000 gallons of fuel oil at Absorber Dryer System (ADS) Units 4 and 5 until commercial operation is established for the new ADS system permitted by air construction permit 0310337-011-AC. Details of the project are provided in the application and the enclosed "Technical Evaluation and Preliminary Determination".

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above. A copy of the complete project file is also available at the City of Jacksonville's Environmental Resource Management Department. The telephone number is 904/630-4900.

Notice of Intent to Issue Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed "Public Notice of Intent to Issue Air Permit" (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at above address or phone number. Pursuant to Rule 62-110.106(5), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within seven (7) days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of fourteen (14) days from the date of publication of the Public Notice. Written comments must be provided to the Permitting Authority at the above address. Any written comments filed will be made available for public inspection. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice.

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

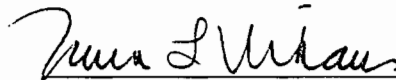
Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen (14) days of publication of the attached Public Notice or within fourteen (14) days of receipt of this Written Notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention 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 state; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation: Mediation is not available in this proceeding.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief
Bureau of Air Regulation

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

CERTIFICATE OF SERVICE

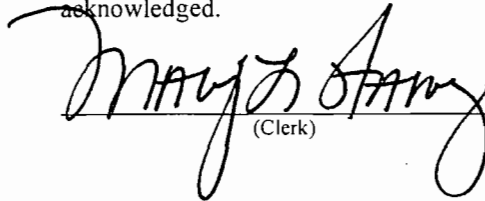
The undersigned duly designated deputy agency clerk hereby certifies that this "Written Notice of Intent to Issue Air Permit" package (including the Public Notice, the Technical Evaluation and Preliminary Determination, and the Draft Permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 8/18/06 to the persons listed below.

Richard Grubb, Cedar Bay*
Kennard Kosky, Golder Associates
Jeff Walker, Cedar Bay
Richard Robinson, City of Jacksonville

Christopher Kirts, DEP-NED
Dot Mathias, Northside Civic Association
Hamilton Oven, DEP Siting Office
EPA Region 4

Clerk Stamp

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


(Clerk)

8/18/06
(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection
Draft Air Permit No. 0310337-012-AC
Cedar Bay Generating Company, L.P. – Cedar Bay Cogeneration Facility
Duval County, Florida

Applicant: The applicant for this project is Cedar Bay Generating Company, L.P. The applicant's authorized representative and mailing address is Richard Grubb, 9640 Eastport Road, Jacksonville, Florida 32218-2260.

Facility Location: Cedar Bay Generating Company operates Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road, in Duval County Florida.

Project: The facility currently has two absorber dryer system (ADS) trains (Units 4 and 5) which together are permitted to burn 700,800 gallons of No. 2 fuel oil per year. The two ADS Units process limestone as a reactant, which is used to control sulfur dioxide emissions from the existing circulating fluidized bed boilers. The ADS trains are experiencing operational problems including a loss of fuel efficiency. The applicant proposes to temporarily increase the combined amount of fuel oil burned at ADS Units 4 and 5 at the Cedar Bay Cogeneration Facility to 996,000 gallons per year. The Department has already issued air construction permit no. 0310337-011-AC for the construction of a new ADS system which was required by the City of Jacksonville's Environmental Resource Management Department (ERMD) consent order AP-06-3. Once commercial operation is established for the new ADS system, Cedar Bay will only operate ADS Units 4 and 5 as backup to the new system. The proposed project will not change any of the emissions standards. ADS Units 4 and 5 would be subject to all standards currently in the facility's Title V permit. Once commercial operation is established for the new ADS unit, the maximum fuel oil firing limit will revert back to the current limit of 700,800 gallons per year for ADS Units 4 and 5.

Permitting Authority: Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above. A copy of the complete project file is also available at the City of Jacksonville's Environmental Resource Management Department. The telephone number is 904/630-4900.

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of fourteen (14) days from the date of publication of this Public Notice. Written comments must be provided to the Permitting Authority at the above address. Any written comments filed will be made available for public inspection. If written comments received result in a significant change to the Draft Permit, the Permitting Authority shall revise the Draft Permit and require, if applicable, another Public Notice.

Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice

(Public Notice to be Published in the Newspaper)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

under Section 120.60(3), F.S. must be filed within fourteen (14) days of publication of this Public Notice or receipt of a written notice, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within fourteen (14) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of 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, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation: Mediation is not available for this proceeding.

(Public Notice to be Published in the Newspaper)

**TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION**

PROJECT

Draft Air Construction Permit No. 0310337-012-AC
Modification to PSD-FL-137
Temporary Fuel Oil Increase at ADS Units 4 and 5

COUNTY

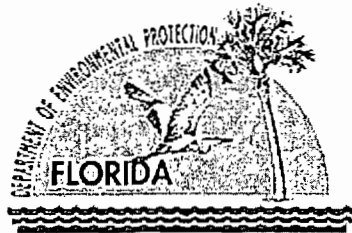
Duval

APPLICANT

Cedar Bay Generating Company, L.P.
Cedar Bay Cogeneration Facility
ARMS Facility ID No. 0310337

**PERMITTING
AUTHORITY**

Florida Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation
Air Permitting North Program



August 16, 2006

{Filename: TEPD}

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

1. GENERAL PROJECT INFORMATION

Applicant Name and Address

Cedar Bay Generating Company, L.P.
9640 Eastport Road
Jacksonville, Florida 32218-2260

Authorized Representative:

Mr. Richard Grubb, General Manager

Processing Schedule

6/20/06 Received the application for a minor source air pollution construction permit.

7/13/06 Additional information received.

Facility Description and Location

Cedar Bay Generating Company operates the existing Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road in Jacksonville, Duval County, Florida. The UTM coordinates are Zone 17; 441.610 km East, and 3365.552 km North. This facility, permitted under Title V permit 0310337-007-AV, consists of: three circulating fluidized bed steam generators (CFB boilers) designated as Boilers A, B, and C; a coal handling area; a limestone handling area; and an ash handling area. Crushed coal is the primary fuel for Boilers A, B and C and the facility may use petroleum coke. The fuel for Boilers B and C can also be supplemented with short fiber recycle rejects received from Stone Container Corporation. No. 2 fuel oil is used as a supplemental start up fuel in all three boilers. Two absorber dryer system trains process limestone as a reactant for the CFB boilers to control SO₂ emissions. Also included in the Title V permit are miscellaneous insignificant emissions units and/or activities. This site is in an area that is in attainment (or designated as unclassifiable) for all air pollutants subject to a National Ambient Air Quality Standard (NAAQS).

Standard Industrial Classification Code (SIC)

SIC No. 4911 – Electric Services

Regulatory Categories

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

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.

PSD: The facility is a PSD-major facility in accordance with Rule 62-212.400, F.A.C.

NSPS: Some units are subject to a New Source Performance Standard (NSPS) in 40 CFR 60.

Project Description

The facility currently has two absorber dryer system (ADS) trains (Units 4 and 5) which together are permitted to burn 700,800 gallons of No. 2 fuel oil per year. The two ADS Units process limestone as a reactant, which is used to control sulfur dioxide emissions from the existing circulating fluidized bed boilers. The ADS trains are experiencing operational problems including a loss of fuel efficiency. The applicant proposes to temporarily increase the combined amount of fuel oil burned at ADS Units 4 and 5 at the Cedar Bay Cogeneration Facility to 996,000 gallons per year. The Department has already issued air construction permit no. 0310337-011-AC for the construction of a new ADS system which was required by the City of Jacksonville's Environmental Resource Management Department (ERMD) consent order AP-06-3. Once commercial operation is established for the new ADS system, Cedar Bay will only operate ADS Units 4 and 5 as backup to the new system. The proposed project will not change any of the emissions standards. ADS Units 4 and 5 will remain subject to all standards currently in the facility's Title V permit, and any exceedances would be a violation of the current permit limits. Once commercial operation is established for the new ADS unit, the maximum fuel oil firing limit will revert back to the current limit of 700,800 gallons per year for ADS Units 4 and 5.

2. APPLICABLE REGULATIONS

State Regulations

This project is subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

Florida Statutes authorize the Department of Environmental Protection to establish rules and regulations regarding air quality as part of the Florida Administrative Code (F.A.C.). This project is subject to the applicable rules and regulations defined in the following Chapters of the Florida Administrative Code: 62-4 (Permitting Requirements); 62-204 (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference); 62-210 (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms); 62-212 (Preconstruction Review, PSD Review and BACT, and Non-attainment Area Review and LAER); 62-213 (Title V Air Operation Permits for Major Sources of Air Pollution); 62-296 (Emission Limiting Standards); 62-297 (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures).

General PSD Applicability

The Department regulates major air pollution sources in accordance with Florida's Prevention of Significant Deterioration (PSD) program, as approved by the EPA in Florida's State Implementation Plan and defined in Rule 62-212.400, F.A.C. A PSD review is required in areas currently in attainment with the state and federal Ambient Air Quality Standards (AAQS) or areas designated as "unclassifiable" for a given pollutant. A facility is considered "major" with respect to PSD if it emits or has the potential to emit: 250 tons per year or more of any regulated air pollutant; or 100 tons per year or more of any regulated air pollutant and the facility belongs to one of the 28 PSD Major Facility Categories defined in Rule 62-210.200, F.A.C.; or 5 tons per year of lead.

For new projects at existing PSD-major facilities, each regulated pollutant is reviewed for PSD applicability based on emissions thresholds known as the Significant Emission Rates defined in Rule 62-210.200, F.A.C. Pollutant emissions from the project exceeding these rates are considered "significant" and the applicant must employ the Best Available Control Technology (BACT) to minimize emissions of each such pollutant and evaluate the air quality impacts. Although a facility may be "major" with respect to PSD for only one regulated pollutant, it may be required to install BACT controls for several "significant" regulated pollutants.

PSD Applicability for Project

The Cedar Bay Cogeneration Plant is an existing PSD-major facility located in Duval County, which is an area that is currently in attainment with, or designated as "unclassifiable" for, each pollutant with a state or federal Ambient Air Quality Standard (AAQS). The applicant proposes to temporarily increase the combined amount of fuel oil burned at ADS Units 4 and 5 at the Cedar Bay Cogeneration Facility to 996,000 gallons per year until commercial operation begins at the new ADS system. Based on current data submitted for ADS Units 4 and 5 and potential emissions for the units, it is estimated there will be no significant increases from PM/PM₁₀, SO₂, NO_x, CO, and VOC from the additional 295,200 gallons per year of fuel oil: The current emissions are 8.69, 2.45, 7.04, 1.76, and 0.14 tons per year of PM/PM₁₀, SO₂, NO_x, CO, and VOC, respectively. The estimated increases are <1, 1.03, 2.97, 0.74, and 0.06 tons per year which are below the significant levels of 25/10, 40, 40, 100, and 40 tons per year for PM/PM₁₀, SO₂, NO_x, CO, and VOC, respectively. Therefore, the project is not subject to PSD preconstruction review.

3. DRAFT PERMIT MODIFICATION

There will be no changes to the current emission limits for ADS Units 4 and 5 with the increased use of fuel oil. At no time are the units permitted to exceed the permit limits in the current Title V permit. Any exceedance is a violation of the current Title V permit and will be subject to compliance and enforcement. As described above, the additional emissions will be small. The existing permit condition will be revised to allow up to 996,000 gallons of oil firing during any consecutive 12 months for ADS Units 4 and 5. The oil limit will revert back to 700,800 gallons per year upon commercial operation of the new ADS unit as originally permitted by the PSD-FL-137A.

4. PRELIMINARY DETERMINATION

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. No air quality modeling analysis is required because the project does not result in a significant increase in emissions. Bobby Bull is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Bureau of Air Regulation at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF FINAL PERMIT MODIFICATION

In the Matter of an
Application for Permit by:

Mr. Richard Grubb, General Manager
Cedar Bay Generating Company, L.P.
9640 Eastport Road
Jacksonville, Florida 32218-2260

Cedar Bay Cogeneration Facility
Permit No. 0310337-012-AC
Modification to PSD-FL-137
Temporary Fuel Oil Increase at ADS Units 4 and 5

Cedar Bay Generating Company submitted an application to request a temporary fuel oil increase of 295,200 gallons per year at Absorber Dyer System (ADS) Units 4 and 5 until commercial operation is established for the new Absorber Dyer System train permitted by air construction permit 0310337-011-AC. These existing Emissions Units operate at the Cedar Bay Cogeneration Facility, which is located at 9640 Eastport Road, Jacksonville, Duval County, Florida. Enclosed is Final Permit Modification, which modifies the original air construction permit: PSD-FL-137 for ADS Units 4 and 5. 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 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 (30) days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

(DRAFT)

Joseph Kahn, P.E., Acting Director
Division of Air Resource Management

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 _____ to the persons listed:

Richard Grubb, Cedar Bay*
Jeff Walker, Cedar Bay
Ken Kosky, P.E., Golder and Associates
Richard Robinson, P.E., City of Jacksonville EQD

Chris Kirts, DEP- NED
Hamilton Oven, DEP Siting Office
Dot Mathias, Northside Civic Association

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)

Permit No. 0310337-012-AC; Modification to PSD-FL-137

No further construction is authorized by this action. The following permit conditions are revised as follows. All other conditions remain in effect.

Specific Condition No. 8 as related to ADS Units 4 and 5 is hereby changed:

From: The maximum No. 2 fuel oil with maximum sulfur content of 0.05% sulfur by weight firing for each limestone dryer shall not exceed 120 gal/hr, or 350,400 gal/year. This reflects a combined total fuel oil firing rate of 240 gal/hr, and 700,800 gals/year for the two dryers.

To: ~~The maximum~~ Each limestone dryer (ADS Units 4 and 5) shall fire only No. 2 fuel oil with a maximum sulfur content of 0.05% sulfur by weight. For each unit, oil firing for each limestone dryer shall not exceed 120 gal/hr, or 350,400 gal/year 498,000 gallons during any 12 consecutive months. This reflects a combined total fuel oil firing rate of 240 gal/hr, and 700,800 gals/year during any 12 consecutive months for the two dryers. Once establishing commercial operation of the new dryer system train permitted by air construction permit 0310337-011-AC, oil firing from ADS Units 4 and 5 shall not exceed 120 gallons/hour nor 350,400 gallons during any consecutive 12 months for each unit. The first month of the consecutive 12-month period for this limit shall begin the first month after commercial operation is established for the new dryer system train.

DRAFT PERMITS

P.E. CERTIFICATION STATEMENT

PERMITTEE

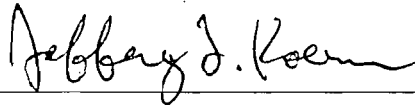
Cedar Bay Generating Company, L.P.
9640 Eastport Road
Jacksonville, FL 32218-2260

Draft Air Permit No. 0310337-012-AC
Cedar Bay Cogeneration Facility
ADS Units 4 and 5, Oil Firing Increase
Duval County, Florida

PROJECT DESCRIPTION

The Cedar Bay Generating Company operates an electric generating plant in Duval County. Currently, there are two existing absorber dryer systems (ADS Units 4 and 5) at this plant. The ADS units process limestone as a reactant, which is used to control SO₂ emissions from the existing circulating fluidized bed boilers. For ADS Units 4 and 5, the proposed project will temporarily increase the total distillate oil ($\leq 0.05\%$ sulfur by weight) firing limit from 700,800 to 996,000 gallons per year. This will allow the units to continue to meet the plant's needs and provide sufficient time to establish commercial operation for the new Unit 3 absorber dryer system that is currently under construction. Thereafter, the distillate oil firing limit will revert back to the original limits and ADS Units 4 and 5 will be relegated to backup units. ADS Units 4 and 5 will remain subject to all existing permit conditions and emissions standards. These are small emissions units (< 20 MMBtu/hour, each) and the change will result in only a slight increase in emissions from firing additional distillate oil. The project is not subject to PSD preconstruction review.

I HEREBY CERTIFY that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).



Jeffery F. Koerner, P.E.
Registration Number: 49441

08-15-06

(Date)

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

RECEIVED
JUN 20 2006
BUREAU OF AIR REGULATION

POB 26324
Jacksonville, FL 32226

9640 Eastport Road
Jacksonville, FL 32218

904.751.4000
Fax: 904.751.7320

June 19, 2006

Bureau of Air Regulation
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Attention: Ms. Trina Vielhauer, Chief, Bureau of Air Regulation

**Re: Cedar Bay Cogeneration Facility, Florida Facility ID. No. 0310337
PSD-FL-137 and DEP File No. PA 88-24**

Dear Ms. Vielhauer:

Cedar Bay Generating Company, L.P is seeking authorization from the Florida Department of Environmental Protection to increase the permitted amount of low-sulfur #2 fuel oil that is used in the facility's Absorber Dryer System (ADS) trains from a maximum of 700,800 gallons to 996,000 gallons/year for the calendar years of 2006 and 2007.

Currently, the facility has two 40-ton-per-hour (TPH) Absorber Dryer System trains that process limestone as a reactant for the circulating fluidized bed (CFB) boilers to control sulfur dioxide (SO₂) and other acid gases. The current systems are identical and are referred to as ADS trains 1 and 2. These exiting systems are identified in the facility's Title V permit as Emission Units 004 and 005. The existing ADS trains have experienced operational and reliability problems, including loss of fuel efficiency, and are near the end of their useful life without refurbishment. On February 8, 2006, Cedar Bay Generating Company submitted an application to construct and operate a new absorber dryer system. The Department issued Final Permit No. 0310337-011-AC which authorizes the construction of the new ADS. The new ADS train is permitted for 876,000 gallons of distillate oil during any 12 consecutive months.

Due to the timeframe of completing the financial process for the project, the scope and deadlines for the major milestones (Engineering Completion, Equipment Delivery, Mechanical Completion and Performance Test Completion) will not be completed until the middle of 2007. Consequently, Cedar Bay will be dependent on the existing ADS trains for the remainder of 2006 and the bulk of 2007. The facility will exceed the permitted fuel oil limit in 2006 and potentially in 2007.

June 19, 2006

Page 2

As the permitted fuel oil use of the facility's ADS systems was exceeded in 2005, Cedar Bay will be entering into a Consent Order with the City of Jacksonville's Environmental Resource Management Department. The request for the temporary increase of the permitted fuel oil limit for the existing ADS trains would allow for the construction and startup of the new ADS system and avoid additional ADS fuel oil compliance issues with the City of Jacksonville.

If you have any questions or if any additional information is needed, please contact me at 904-696-1547.

Sincerely,



Jeffrey A. Walker
Environmental Manager
Cedar Bay Generating Plant

Cc: Mark Casper, Cogentrix Energy
Steve Pace, EQD
Ken Kosky, Golder
R. Robinson, Urral Co.
C. Rinta, NED

RECEIVED

JUN 20 2006

BUREAU OF AIR REGULATION

**APPLICATION FOR
AIR CONSTRUCTION PERMIT
CEDAR BAY COGENERATION FACILITY
CEDAR BAY, FLORIDA**

**Prepared For:
Cedar Bay Generating Company
9640 Eastport Road
Cedar Bay, Florida 32218-2260**

**Prepared By:
Golder Associates Inc.
6241 NW 23rd Street, Suite 500
Gainesville, Florida 32653-1500**

June 2006

0637514

DISTRIBUTION:

4 Copies – FDEP

2 Copies – Cedar Bay Generating Company

1 Copy – Golder Associates Inc.

APPLICATION FOR AIR PERMIT – LONG FORM



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air permit. Also use this form to apply for an air construction permit:

- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- Where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- Where the applicant proposes to establish, revise, or renew a plantwide applicability limit (PAL).

Air Operation Permit – Use this form to apply for:

- An initial federally enforceable state air operation permit (FESOP); or
- An initial/revised/renewal Title V air operation permit.

Air Construction Permit & Title V Air Operation Permit (Concurrent Processing Option) – Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Cedar Bay Generating Company, L.P.	
2. Site Name: Cedar Bay Cogeneration Facility	
3. Facility Identification Number: 0310337	
4. Facility Location...: Cedar Bay Cogeneration Facility Street Address or Other Locator: 9640 Eastport Road City: Jacksonville County: Duval Zip Code: 32218-2260	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Jeffery Walker, Environmental Manager	
2. Application Contact Mailing Address... Organization/Firm: Cedar Bay Generating Company Street Address: 9640 Eastport Road City: Jacksonville State: FL Zip Code: 32218-2260	
3. Application Contact Telephone Numbers... Telephone: (904) 696-1547 ext. Fax: (904) 751-7320	
4. Application Contact Email Address: jeffwalker@cogentrix.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application: 6-20-04	3. PSD Number (if applicable):
2. Project Number(s): 0310337-012-AC	4. Siting Number (if applicable):

APPLICATION INFORMATION

Purpose of Application

This application for air permit is submitted to obtain: (Check one)

Air Construction Permit

- Air construction permit.
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

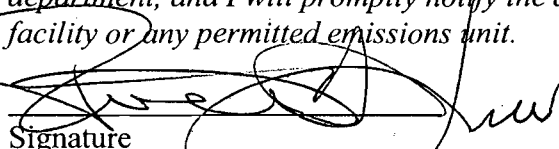
This application is to request that the limits for the amount of fuel used in Absorber Dryer System Train – 1 and Absorber Dryer System Train – 2 be temporarily raised to a total of 996,000 gallons/yr for the years 2006 and 2007.

See Part II.

APPLICATION INFORMATION

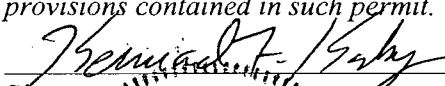
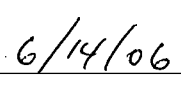
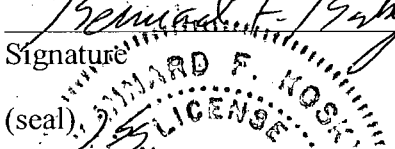
Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name : Richard Grubb, General Manager
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Cedar Bay Generating Company Street Address: 9640 Eastport Road City: Jacksonville State: FL Zip Code: 32218-2260
3. Owner/Authorized Representative Telephone Numbers... Telephone: (904) 696-1143 ext. Fax: (904) 751-7320
4. Owner/Authorized Representative Email Address: rickgrubb@cogentrix.com
5. Owner/Authorized Representative Statement: <p><i>I, the undersigned, am the owner or authorized representative of the facility addressed in this air permit application. 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 and all other requirements identified in this application to which the facility is subject. 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 the facility or any permitted emissions unit.</i></p> <p> Signature</p> <p><u>June 15, 2006</u> Date</p>

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Kennard F. Kosky Registration Number: 14996
2. Professional Engineer Mailing Address... Organization/Firm: Golder Associates Inc.** Street Address: 6241 NW 23rd Street, Suite 500 City: Gainesville State: FL Zip Code: 32653
3. Professional Engineer Telephone Numbers... Telephone: (352) 336-5600 ext. 516 Fax: (352) 336-6603
4. Professional Engineer Email Address: kkosky@golder.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> (1) <i>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</i> (2) <i>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.</i> (3) <i>If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/>, if so), I further certify that 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 plan and schedule is submitted with this application.</i> (4) <i>If the purpose of this application is to obtain an air construction permit (check here <input checked="" type="checkbox"/>, if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/>, 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.</i> (5) <i>If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/>, 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.</i>  _____ Signature  _____ Date (seal) 

* Attach any exception to certification statement.

** Board of Professional Engineers Certificate of Authorization #00001670

FACILITY INFORMATION

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates... Zone 17 East (km) 441.610 North (km) 3365.552		2. Facility Latitude/Longitude... Latitude (DD/MM/SS) 30/25/21 Longitude (DD/MM/SS) 81/36/23	
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s): 4911
7. Facility Comment : Applicant is seeking to temporarily increase the limit of fuel usage to 996,000 gallons/yr for the years 2006 and 2007. See Part II.			

Facility Contact

1. Facility Contact Name: Jeffery Walker, Environmental Manager
2. Facility Contact Mailing Address... Organization/Firm: Cedar Bay Generating Company Street Address: 9640 Eastport Road City: Jacksonville State: FL Zip Code: 32218-2260
3. Facility Contact Telephone Numbers: Telephone: (904) 696-1547 ext. Fax: (904) 751-7320
4. Facility Contact Email Address: jeffwalker@cogentrix.com

Facility Primary Responsible Official

Complete if an "application responsible official" is identified in Section I. that is not the facility "primary responsible official."

1. Facility Primary Responsible Official Name:
2. Facility Primary Responsible Official Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Facility Primary Responsible Official Telephone Numbers... Telephone: () - ext. Fax: () -
4. Facility Primary Responsible Official Email Address:

FACILITY INFORMATION

Facility Regulatory Classifications

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a "major source" and a "synthetic minor source."

1. <input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown.
2. <input type="checkbox"/> Synthetic Non-Title V Source	
3. <input checked="" type="checkbox"/> Title V Source	
4. <input checked="" type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5. <input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6. <input checked="" type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7. <input type="checkbox"/> Synthetic Minor Source of HAPs	
8. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9. <input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10. <input type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11. <input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment: <p>The application facility-wide conditions contained in the Title V Air Operation permit will not change as a result of this application.</p>	

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: January 2004
2. Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: January 2004
3. Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Previously Submitted, Date: January 2004

Additional Requirements for Air Construction Permit Applications

1. Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)
2. Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL): <input checked="" type="checkbox"/> Attached, Document ID: See Part II
3. Rule Applicability Analysis: <input checked="" type="checkbox"/> Attached, Document ID: See Part II
4. List of Exempt Emissions Units (Rule 62-210.300(3), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (no exempt units at facility)
5. Fugitive Emissions Identification: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
6. Air Quality Analysis (Rule 62-212.400(7), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7. Source Impact Analysis (Rule 62-212.400(5), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8. Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

FACILITY INFORMATION

Additional Requirements for FESOP Applications

1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.):
 Attached, Document ID: _____ Not Applicable (no exempt units at facility)

Additional Requirements for Title V Air Operation Permit Applications

1. List of Insignificant Activities (Required for initial/renewal applications only):
 Attached, Document ID: _____ Not Applicable (revision application)
2. Identification of Applicable Requirements (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought):
 Attached, Document ID: _____
 Not Applicable (revision application with no change in applicable requirements)
3. Compliance Report and Plan (Required for all initial/revision/renewal applications):
 Attached, Document ID: _____
Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.
4. List of Equipment/Activities Regulated under Title VI (If applicable, required for initial/renewal applications only):
 Attached, Document ID: _____
 Equipment/Activities On site but Not Required to be Individually Listed
 Not Applicable
5. Verification of Risk Management Plan Submission to EPA (If applicable, required for initial/renewal applications only) :
 Attached, Document ID: _____ Not Applicable
6. Requested Changes to Current Title V Air Operation Permit:
 Attached, Document ID: _____ Not Applicable

Additional Requirements Comment

See Part II.

EMISSIONS UNIT INFORMATION

Section [1]
ADS Trains 1 & 2

III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application for air permit. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application - Where this application is used to apply for both an air construction permit and a revised/renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. **The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit.** A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air construction permitting and insignificant emissions units are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

EMISSIONS UNIT INFORMATION

Section [1]
ADS Trains 1 & 2

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)
- The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
 - The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)
- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
 - This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
 - This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:

Adsober Dryer System (ADS) Trains 1 and 2.

3. Emissions Unit Identification Number: **004 & 005**

4. Emissions Unit Status Code: C	5. Commence Construction Date: N/A	6. Initial Startup Date: N/A	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
--	--	--	--	--

9. Package Unit:
Manufacturer: _____ Model Number: _____

10. Generator Nameplate Rating: **MW**

11. Emissions Unit Comment:

ADS Trains 1 & 2 crush and dry limestone for use in the circulating fluidized bed (CFB) boilers.

EMISSIONS UNIT INFORMATION

**Section [1]
ADS Trains 1 & 2**

Emissions Unit Control Equipment

1. Control Equipment/Method(s) Description:

Fabric Filter – Medium Temperature

2. Control Device or Method Code(s): **017**

EMISSIONS UNIT INFORMATION

Section [1]
 ADS Trains 1 & 2

C. EMISSION POINT (STACK/VENT) INFORMATION
 (Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: See Part II		2. Emission Point Type Code: 2	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: ADS Train 1 stack (ADS Trains 1 & 2 are identical)			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code: V	6. Stack Height: 63 feet	7. Exit Diameter: 4.17 feet	
8. Exit Temperature: 195 °F	9. Actual Volumetric Flow Rate: 49,000 acfm	10. Water Vapor: 1 %	
11. Maximum Dry Standard Flow Rate: 42,100 dscfm		12. Nonstack Emission Point Height: feet	
13. Emission Point UTM Coordinates... Zone: 17 East (km): 441.66 North (km): 3365.68		14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
15. Emission Point Comment:			

EMISSIONS UNIT INFORMATION

Section [1]
ADS Trains 1 & 2

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type): Segment 1 of 2: No. 2 Diesel fuel combustion		
2. Source Classification Code (SCC): 30590001		3. SCC Units: 1,000 gallons
4. Maximum Hourly Rate: 0.120	5. Maximum Annual Rate: 996	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur: 0.05	8. Maximum % Ash:	9. Million Btu per SCC Unit: 134
10. Segment Comment: See Part II.		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type): Segment 2 of 2: Mineral Products - Other		
2. Source Classification Code (SCC): 30599999		3. SCC Units: Tons
4. Maximum Hourly Rate: 42.6	5. Maximum Annual Rate: 342,078	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment: Limestone capacities provided. See Part II.		

EMISSIONS UNIT INFORMATION

POLLUTANT DETAIL INFORMATION

Section [1]
ADS Trains 1 & 2

Page [1] of [6]
Particulate Matter Total - PM

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: PM (TSP)		2. Total Percent Efficiency of Control: 99+	
3. Potential Emissions: 1.08 lb/hour 8.69 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.003 gr/dscf Reference: Decker Industries		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: 0.003 gr/dscf x 42,100 dscf/min x 1 lb/7,000 gr x 60 min/hr = 1.08 lb/hr per ADS Train 1.08 lb/hr x 8,030 hr/yr x 2,000 lb/ton x 2 ADS Trains = 8.69 TPY per ADS Train pair			
11. Potential Fugitive and Actual Emissions Comment: See Part II.			

EMISSIONS UNIT INFORMATION

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ADS Trains 1 & 2

POLLUTANT DETAIL INFORMATION

Page [1] of [6]
Particulate Matter Total - PM

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.003 gr/dscf / 5 percent opacity	4. Equivalent Allowable Emissions: 1.08 lb/hour 8.69 tons/year
5. Method of Compliance: Initial compliance test using EPA Method 5 or 17; 40 CFR, Appendix A; subsequent tests using EPA Method 9.	
6. Allowable Emissions Comment (Description of Operating Method): See Part II.	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

POLLUTANT DETAIL INFORMATION

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Particulate Matter – PM₁₀

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: PM₁₀		2. Total Percent Efficiency of Control: 99+	
3. Potential Emissions: 1.08 lb/hour 8.69 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.003 gr/dscf Reference: Decker Industries		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: 0.003 gr/dscf x 42,100 dscf/min x 1 lb/7,000 gr x 60 min/hr = 1.08 lb/hr per ADS Train 1.08 lb/hr x 8,030 hr/yr x 2,000 lb/ton x 2 ADS Trains = 8.69 TPY per ADS Train pair			
11. Potential Fugitive and Actual Emissions Comment: See Part II.			

EMISSIONS UNIT INFORMATION

POLLUTANT DETAIL INFORMATION

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ADS Trains 1 & 2

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Particulate Matter – PM₁₀

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.003 gr/dscf / 5 percent opacity	4. Equivalent Allowable Emissions: 1.08 lb/hour 8.69 tons/year
5. Method of Compliance: Initial compliance test using Method 5 or 17; 40 CFR, Appendix A; subsequent tests using EPA Method 9.	
6. Allowable Emissions Comment (Description of Operating Method): See Part II.	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

POLLUTANT DETAIL INFORMATION

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Sulfur Dioxide

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: SO₂		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.84 lb/hour 3.49 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.05 percent sulfur distillate oil Reference:		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: 0.05 percent x 1/100 x 120.0 gal/hr x 7 lb/gal x 2 lb SO₂/lb sulfur = 0.84 lb/hr per ADS Train 996,000 gal/yr x 7 lb/gal x 0.05 percent x 1/100 x 2 lb SO₂/lb S x 2000 lb/ton = 3.49 TPY per ADS Train pair			
11. Potential Fugitive and Actual Emissions Comment: See Part II.			

EMISSIONS UNIT INFORMATION

POLLUTANT DETAIL INFORMATION

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Sulfur Dioxide

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units: 0.05 percent sulfur	4. Equivalent Allowable Emissions: 0.84 lb/hour 3.49 tons/year
5. Method of Compliance: Fuel vendor analysis	
6. Allowable Emissions Comment (Description of Operating Method): See Part II.	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ____ of ____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

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Nitrogen Oxides

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: NO_x		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 2.41 lb/hour 10.01 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.15 lb/MMBtu Reference: PA88-24A		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: 16.1 MMBtu/hr x 0.15 lb/MMBtu = 2.41 lb/hr per ADS Train 996,000 gal/yr x 134,000 Btu/gal x 0.15 lb/MMBtu x MMBtu/10⁶ x 2,000 lb/ton = 10.01 TPY per ADS Train pair			
11. Potential Fugitive and Actual Emissions Comment: See Part II.			

EMISSIONS UNIT INFORMATION

POLLUTANT DETAIL INFORMATION

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ADS Trains 1 & 2

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Nitrogen Oxides

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: 2.41 lb/hour 10.01 tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method): See Part II.	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

POLLUTANT DETAIL INFORMATION

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ADS Trains 1 & 2

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Carbon Monoxide

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: CO		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.60 lb/hour 2.50 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.0375 lb/MMBtu Reference: PA 88-24A		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: 16.1 MMBtu/hr x 0.0375 lb/MMBtu = 0.60 lb/hr per ADS Train 996,000 gal/yr x 134,000 Btu/gal x 0.0375 lb/MMBtu x MMBtu/10⁶ x 2000 lb/ton = 2.50 TPY per ADS Train pair			
11. Potential Fugitive and Actual Emissions Comment: See Part II.			

EMISSIONS UNIT INFORMATION

POLLUTANT DETAIL INFORMATION

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Carbon Monoxide

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: 0.60 lb/hour 2.50 tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method): See Part II.	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

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 ADS Trains 1 & 2

POLLUTANT DETAIL INFORMATION

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 Volatile Organic Compounds

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
 POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

(Optional for unregulated emissions units.)

Potential/Estimated Fugitive Emissions

Complete for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted: VOC		2. Total Percent Efficiency of Control:	
3. Potential Emissions: 0.05 lb/hour 0.20 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.003 lb/MMBtu Reference: PA 88-24A		7. Emissions Method Code: 0	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: 16.1 MMBtu/hr x 0.003 lb/MMBtu = 0.05 lb/hr per ADS Train 996,000 gal/yr x 134,000 BTU/gal x 0.003 lb/MMBtu x MMBtu/10⁶ x 2000 lb/ton = 0.20 TPY per ADS Train pair			
11. Potential Fugitive and Actual Emissions Comment: See Part II.			

EMISSIONS UNIT INFORMATION

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ADS Trains 1 & 2

POLLUTANT DETAIL INFORMATION

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Volatile Organic Compounds

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
ALLOWABLE EMISSIONS**

Complete if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: 0.05 lb/hour 0.20 tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method): See Part II.	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions _____ of _____

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [1]
ADS Trains 1 & 2

G. VISIBLE EMISSIONS INFORMATION

Complete if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input checked="" type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: 5 % Exceptional Conditions: 100 % Maximum Period of Excess Opacity Allowed: 60 min/hour	
4. Method of Compliance: EPA Method 9.	
5. Visible Emissions Comment: Exceptional conditions allowed for 2 hours per 24-hour period by Rule 62-210.700(1) for Startup, Shutdown, and Malfunction.	

Visible Emissions Limitation: Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: _____ % Exceptional Conditions: _____ % Maximum Period of Excess Opacity Allowed: _____ min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [1]
ADS Trains 1 & 2

H. CONTINUOUS MONITOR INFORMATION

Complete if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor _____ of _____

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [1]
ADS Trains 1 & 2

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: See Part II <input type="checkbox"/> Previously Submitted, Date _____
2. Fuel Analysis or Specification (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: See Part II <input type="checkbox"/> Previously Submitted, Date _____
3. Detailed Description of Control Equipment (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: See Part II <input type="checkbox"/> Previously Submitted, Date _____
4. Procedures for Startup and Shutdown (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable (construction application)
5. Operation and Maintenance Plan (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records <input type="checkbox"/> Attached, Document ID: _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> Previously Submitted, Date: _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> To be Submitted, Date (if known): _____ Test Date(s)/Pollutant(s) Tested: _____ <input checked="" type="checkbox"/> Not Applicable Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7. Other Information Required by Rule or Statute <input checked="" type="checkbox"/> Attached, Document ID: See Part II <input type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [1]
ADS Trains 1 & 2

Additional Requirements for Air Construction Permit Applications

1. Control Technology Review and Analysis (Rules 62-212.400(10) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(4)(d), F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only). <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

Additional Requirements for Title V Air Operation Permit Applications

1. Identification of Applicable Requirements <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable

EMISSIONS UNIT INFORMATION

Section [1]

ADS Trains 1 & 2

Additional Requirements Comment

[Empty box for Additional Requirements Comment]

PART II

PART II

1.0 INTRODUCTION

Cedar Bay Generating Company, L.P. (Cedar Bay) is seeking authorization from the Florida Department of Environmental Protection (FDEP) to temporarily increase the amount of Number 2 fuel oil used in the operation of the Absorber Dryer System (ADS) Trains at the Cedar Bay Cogeneration Facility from a maximum of 700,800 gallons per year (gal/yr) to a maximum of 996,000 gal/yr. Currently, the facility has two 40-ton-per-hour (TPH) ADS trains that process limestone as a reactant for the circulating fluidized bed (CFB) boilers to control sulfur dioxide (SO₂) and other acid gases. Limestone is sized (crushed) and dried in the existing ADS trains for use in the CFB boilers. The current systems are identical and referred to as ADS Trains 1 and 2. These existing systems are identified in the Title V permit as Emission Units 004 and 005. The existing ADS trains have experienced operational problems, including loss of fuel efficiency, and are near the end of their useful life without refurbishment.

2.0 PROJECT DESCRIPTION

Limestone delivered to the facility is stored in an open pile. The limestone is then transferred by a front-end loader from the pile to a reclaim hopper. An enclosed feeder directs the limestone into the ADS trains. Each ADS train 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 actual cubic feet per minute (acfm).

3.0 AIR EMISSIONS

The air emissions for the existing fuel use limit of 700,800 gal/yr and the proposed limit of 996,000 gal/yr are listed in Table 1. The existing ADS trains utilize a fabric filter for particulate matter (PM) removal and low-sulfur distillate oil. The PM emission rate is based on 0.003 grain per dry standard cubic feet (gr/dscf), which is a condition of the existing Title V Permit (Condition B.5). The emissions of SO₂ are based on the use of 0.05 percent sulfur and the maximum hourly rate of 120 gal/hr/dryer and 996,000 gal/yr. The short-term emission rates for nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) are based on emissions contained in the Site Certification for the facility (PA 88-24A).

4.0 REGULATORY APPLICABILITY

The project consists of temporarily increasing the annual amount of distillate oil used in ADS Trains 1 and 2 from 700,800 to 996,000 gal/yr. The net increase in air emissions for the project at the maximum annual usage are less than the thresholds requiring review under the Prevention of Significant Deterioration (PSD) rules in Chapter 62-212 of the Florida Administrative Code (F.A.C.). The maximum potential emissions for PM/PM₁₀, SO₂, NO_x, CO, and VOC for increasing the annual fuel usage are <1, 1.03, 3.0, 0.74, and 0.06 tons per year (TPY), respectively (see Table 1). The PSD review thresholds are 25/15, 40, 40, 100, and 40 TPY, for PM/PM₁₀, SO₂, NO_x, CO, and VOC, respectively. It should be noted that the maximum potential emissions for using a total of 996,000 gal/yr are still less than the PSD review thresholds (see Table 1). With a maximum fuel usage of 996,000 gal/yr, the PM/PM₁₀, SO₂, NO_x, CO, and VOC emissions are 8.69, 3.49, 10.01, 2.97, and 0.60 TPY, respectively. As a result, the project does not trigger PSD review and only requires a minor source air construction permit pursuant to the FDEP rules.

Based on the regulatory applicability for the project, Cedar Bay requests FDEP's consideration of the following change in the currently authorized permit condition for ADS Trains 1 and 2.

B.1. 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 996,000 700,800 gals/yr, for the two ADS trains in the calendar years 2006 and 2007. Thereafter, the distillate oil usage is limited to 700,800 gallons/year. See Specific Conditions **B.7** and **B.17**.

**TABLE 1
 ABSORBER DRYER SYSTEM (ADS) TRAINS 1 AND 2 CAPACITY
 AND MAXIMUM POTENTIAL EMISSIONS**

	Existing Data	Proposed Data	Increase	Units
Drying Capacity	42.6	42.6	-	tons/hour per ADS Train
	342,078	342,078	-	tons/yr per ADS Train
Fuel Rate	120.0	120.0	-	gal/hr per ADS Train
	700,800	996,000	295,200	gal/yr per ADS Train pair
Fuel Heat Content	19,150	19,150	-	Btu/lb per ADS Train
Fuel Density	7.0	7.0	-	lb/gal per ADS Train
Heat Input	16.1	16.1	-	MMBtu/hr per ADS Train
Exhaust Flow	42,100	42,100	-	dscfm per ADS Train
	49,000	49,000	-	acfm per ADS Train
Stack Height	63.0	63.0	-	feet per ADS Train
Stack Diameter	4.2	4.2	-	feet per ADS Train
Stack Temperature	195.0	195.0	-	°F per ADS Train
Emissions				
PM/PM ₁₀	0.003	0.003	-	gr/dscf ^a
	1.08	1.08	-	lb/hr per ADS Train
	8.69	8.69	-	tons/year per ADS Train pair
SO ₂	0.05%	0.05%	-	sulfur by weight
	0.84	0.84	-	lb/hr per ADS Train
	2.45	3.49	1.03	tons/year per ADS Train pair
NO _x	0.15	0.15	-	lb/MMBtu ^b
	2.41	2.41	-	lb/hr per ADS Train
	7.04	10.01	2.97	tons/year per ADS Train pair
CO	0.0375	0.0375	-	lb/MMBtu ^b
	0.60	0.60	-	lb/hr per ADS Train
	1.76	2.50	0.74	tons/year per ADS Train pair
VOC	0.003	0.003	-	lb/MMBtu ^b
	0.05	0.05	-	lb/hr per ADS Train
	0.14	0.20	0.06	tons/year per ADS Train pair

^a Based on manufacturer information.

^b Based on PA88-24A.