



Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Electronic Mail – Received Receipt Requested

James M. Chansler, P.E.
Jacksonville Electric Authority
21 West Church Street
Jacksonville, Florida 32202

Re: Permit Nos. 0310561-003-AV and 0310561-004-AC
Greenland Energy Center
Initial Title V Permit and Revised Air Construction Permit

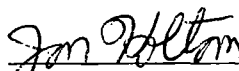
Dear Mr. Chansler:

Enclosed is the draft/proposed permit package to issue the initial Title V air operation permit and a revised air construction permit for the Greenland Energy Center. This facility is located in Duval County at 6850 Energy Center Drive, Jacksonville, Florida. The permit package includes the following documents:

- The Statement of Basis, which summarizes the facility, the equipment and the primary rule applicability.
- The initial draft/proposed Title V air operation permit, which includes the specific permit conditions that regulate the emissions units covered by the proposed project.
- The draft air construction permit revision to clarify testing requirements for nitrogen oxides and carbon monoxide.
- The Written Notice of Intent to Issue Air Permits provides important information regarding: the Permitting Authority's intent to issue air permits for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue the air permits; the procedures for submitting comments on the draft/proposed permits; the process for filing a petition for an administrative hearing; and the availability of mediation.
- The Public Notice of Intent to Issue Air Permits is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The Public Notice of Intent to Issue Air Permits must be published as soon as possible and the proof of publication must be provided to the Department within seven days of the date of publication. Because this permit is being processed as a combined draft/proposed permit in order to reduce processing time, a duplicate copy of the proof of publication must also be transmitted by electronic mail within seven days of the date of publication to Ms. Ana Oquendo at EPA Region 4 at the following address: oquendo.ana@epamail.epa.gov.

If you have any questions, please contact the Project Engineer, Martin Costello, by telephone at 850/717-9040 or by email at Martin.Costello@dep.state.fl.us.

Sincerely,

for 
Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

10/5/11
Date

Enclosures
JFK/jh/mc

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMITS

In the Matter of an

Application for Title V Air Operation Permit and Revised Air Construction Permit by:

JEA
21 West Church Street, Jacksonville
Jacksonville FL 32202

Responsible Official:

James M. Chansler, P.E.

Permit Nos. 0310561-003-AV
and 0310561-004-AC/PSD-FL-401A
Facility ID No. 0310561
Greenland Energy Center
Initial Title V and Revised Construction Permits
Duval County, Florida

Facility Location: JEA operates the existing Greenland Energy Center, which is located in Duval County at 6850 Energy Center Drive, Jacksonville, Florida.

Project: The purpose of this project is to issue the initial Title V air operation permit No. 0310561-003-AV and to clarify the testing requirements contained in the original air construction permit by issuing revised permit No. 0310561-004-AC. Details of the project are provided in the application and the enclosed Statement of Basis.

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.

Applications for Title V air operation permits for facilities that contain Acid Rain units are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 and 62-214 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Division of Air Resource Management 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 850/717-9000.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the address indicated above for the Permitting Authority. The complete project file includes the draft/proposed permits, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft/proposed permits by visiting the following website: <http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

Notice of Intent to Issue Permit: The Permitting Authority gives notice of its intent to issue an air construction permit revision to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the 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 draft air construction 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.

The Permitting Authority gives notice of its intent to issue an initial Title V air operation permit to the applicant for the project described above. The applicant has provided reasonable assurance that continued operation of the existing equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a final permit in accordance with the conditions of the draft/proposed permit unless a

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMITS

response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at the above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

Comments: The Permitting Authority will accept written comments concerning the draft air construction permit revision for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If written comments received result in a significant change to the draft air construction permit, the Permitting Authority shall revise the draft air construction permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

The Permitting Authority will accept written comments concerning the draft/proposed Title V air operation permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly (FAW). If a public meeting is requested within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received written comments or comments received at a public meeting result in a significant change to the draft/proposed permit, the Permitting Authority shall issue a revised draft/proposed permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

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

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and

WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMITS

telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.


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

Mediation: Mediation is not available in this proceeding.

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

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

Executed in Tallahassee, Florida.

for  10/5/11
Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

Florida Department of Environmental Protection
Division of Air Resource Management, Office of Permitting and Compliance
Draft/Proposed Permit No. 0310561-003-AV
Draft Permit No. 0310561-004-AC/PSD-FL-401A
Jacksonville Electric Authority(JEA), Greenland Energy Center
Duval County, Florida

Applicant: The applicant for this project is JEA. The applicant's responsible official and mailing address are: James M. Chansler, P.E., JEA, Greenland Energy Center, 21 West Church Street, Jacksonville, Florida 32202.

Facility Location: The applicant operates the existing Greenland Energy Center, which is located in Duval County at 6850 Energy Center Drive, Jacksonville, Florida.

Project: The applicant applied on July 12, 2011 to the Department for a Title V air operation permit and concurrent air construction permit revision to clarify testing requirements. This is the initial Title V air operation permit (No. 0310561-003-AV) for the facility. The facility is an existing site consisting of two simple cycle combustion turbines (176 megawatts each) operating on natural gas with dry low NO_x burners and fired by ultra-low sulfur fuel oil as a backup fuel with water injection controls for NO_x.

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 Division of Air Resource Management is the Permitting Authority responsible for making a permit determination for this project.

Applications for Title V air operation permits for facilities that contain Acid Rain units are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 and 62-214, of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Division of Air Resource Management 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 850/717-9000.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the address indicated above for the Permitting Authority. The complete project file includes the draft/proposed permits, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft/proposed permits by visiting the following website: <http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above.

Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

Notice of Intent to Issue Permit: The Permitting Authority gives notice of its intent to issue an air construction permit modification 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 air construction permit modification 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.

The Permitting Authority gives notice of its intent to issue an initial Title V air operation permit to the applicant for the project described above. The applicant has provided reasonable assurance that continued operation of the existing equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296 and 62-297, F.A.C. The

(Public Notice to be Published in the Newspaper)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation: Mediation is not available for this proceeding.

EPA Review: EPA has agreed to treat the draft/proposed Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period, provided that the applicant also transmits an electronic copy of the required proof of publication directly to EPA at the following email address: oquendo.ana@epamail.epa.gov. Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www.epa.gov/region4/air/permits/Florida.htm>.

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

Florida Department of
Environmental Protection

Memorandum

TO: Jeff Koerner, OPC Program Administrator
THROUGH: Jon Holtom, Permitting Supervisor *JH*
FROM: Martin Costello, P.E.
DATE: October 5, 2011
SUBJECT: Draft/Proposed Permit No. 0310561-003-AV
Draft Permit No. 0310561-004-AC/PSD-FL-401A
JEA Greenland Energy Center
Draft/Proposed Initial Title V permit

Attached for your review are the following items:

- Written Notice of Intent to Issue Air Permits;
- Public Notice of Intent to Issue Air Permits;
- Draft air construction permit revision;
- Statement of Basis;
- Draft/proposed Title V air operation permit; and,
- P.E. Certifications.

The draft/proposed permit is the initial Title V permit for the Greenland Energy Center, which is located in Duval County, Florida. The Statement of Basis provides a summary of the project and the rationale for issuance. The P.E. certification briefly summarizes the proposed project.

The application was received and deemed complete on July 12, 2011. During the review of the application, it was discovered that the original construction permit was unclear regarding testing requirements for nitrogen oxides and carbon monoxide. JEA subsequently submitted a request to revise the original AC permit to clarify the testing requirements. The revised AC permit was combined with this project without restarting the processing clock and is being issued concurrently with this initial Title V permit. Day 90 is October 10, 2011. There is no ongoing/open enforcement case for this facility, according to the Duval County Environmental Resource Management records.

I recommend your approval of the attached draft construction and draft/proposed Title V permits.

Attachments

P.E. CERTIFICATION STATEMENT

PERMITTEE

JEA
21 West Church Street
Jacksonville, Florida 32202

Authorized Representative:
Mr. James Chansler, P.E.

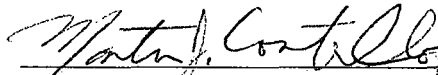
Air Permit No. 0310561-004-AC/PSD-FL-401A
Permit Expires: 12/31/13
Minor Air Construction Permit
Duval County Florida
Greenland Energy Center

PROJECT DESCRIPTION

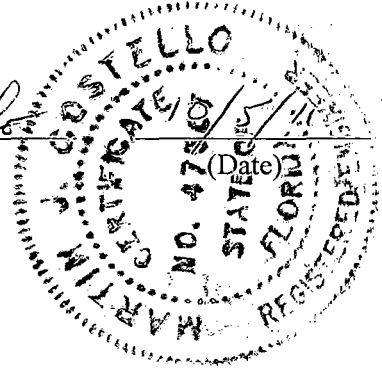
The Greenland Energy Center consists of two simple cycle combustion turbine generators which began operation in 2010. These units are subject to the federal New Source Performance Standards Subpart KKKK. This project is to extend the expiration date to allow for completion of construction of a fuel oil storage tank, and also to clarify that the mass emission standards for NO_x and CO are for information purposes and only an initial stack test is required for these pollutants.

This project is subject to the general preconstruction review requirements in Rule 62-212.300, Florida Administrative Code (F.A.C.) and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

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 any other aspects of the proposal (including, but not limited to, the electrical, civil, mechanical, structural, hydrological, geological, and meteorological features).



Martin Costello, P.E.
Registration Number 47587



DRAFT PERMIT REVISION

PERMITTEE

JEA
21 West Church Street
Jacksonville, Florida 32202

Authorized Representative:
Mr. James Chansler, P.E.

Permit No. 0310561-004-AC/ PSD-FL-401A
Permit Expires: 12/31/13
Minor Air Construction Permit
Greenland Energy Center
Expiration Date Extension and Emissions
Limit Clarification

PROJECT

This is the final air construction permit, which revises permit No. 0310561-001-AC (PSD-FL-401) for the following items: This project extends the expiration date and clarifies mass emission standard conditions. The Greenland Energy Center is a power plant categorized under Standard Industrial Classification No. 4911. The existing facility is located in Duval County at 6850 Energy Center Drive, Jacksonville, Florida. The UTM coordinates are Zone 17, 450.2 km East and 3336.4 km North.

This final permit is organized into the following sections: Section 1 (General Information) and Section 2 (Permit Revisions).

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. A copy of this permit modification shall be filed with the referenced permit and shall become part of the permit.

Upon issuance of this final 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 30 days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida

(DRAFT)

Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

(Date)

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit Revision) was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on (DRAFT) to the persons listed below.

- Mr. James Chansler, JEA: chanjm@jea.com
- Mr. Bert Gianazza, P.E., JEA: giannb@jea.com
- Ms. Rita Felton-Smith, DEP - NED: rita.felton-smith@dep.state.fl.us
- Mr. Richard Robinson, Duval County EQD: robinson@coj.net
- Ms. Katy Forney, U.S. EPA Region 4: forney.kathleen@epamail.epa.gov
- Ms. Ana Oquendo, EPA Region 4: oquendo.ana@epamail.epa.gov
- Ms. Barbara Friday, DEP - OPC: barbara.friday@dep.state.fl.us (for posting with U.S. EPA, Region 4)
- Ms. Lynn Searce, DEP – OPC: lynn.searce@dep.state.fl.us (for reading file)

Clerk Stamp

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

 (DRAFT)

(Clerk)

(Date)

SECTION 1. GENERAL INFORMATION (DRAFT)

FACILITY DESCRIPTION

The existing facility is an electrical power generation facility, which consists of the following emissions units and activities: Two simple cycle combustion turbine generators firing natural gas and fuel oil as a backup fuel.

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility operates units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- The facility operates units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.
- The facility is subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

PROPOSED PROJECT

The project modifies the original construction permit by extending the expiration date and clarifying that the mass emission standards for NO_x and CO are for informational purposes only and emission testing is limited to an initial, one time test.

SECTION 2. PERMIT REVISIONS (DRAFT)

The following permit conditions are revised as indicated. ~~Strikethrough~~ is used to denote the deletion of text. Double-underlines are used to denote the addition of text. All changes are emphasized with yellow highlight.

Permit Being Modified: Permit No. 0310561-001-AC (PSD-FL-401)

Affected Emissions Units: EU-001 and EU-002

- To allow for additional time to complete the installation of the permanent fuel oil storage tank, the expiration date of the permit is changed as follows:

Expires: December 31, ~~2012-2013~~

- To clarify that the mass emissions limits for nitrogen oxides (NO_x) and carbon monoxide (CO) listed in the original permit were intended for informational purposes at full load and not intended as an enforceable limit subject to annual compliance testing requirements, Conditions 12, 15 and 17 in Section III are changed as follows:

12. Emission Standards: Emissions from the combustion turbine shall not exceed the following standards.

Pollutant	Emission Standard ^e	Averaging Time	Compliance Method	Basis
NO _x ^a (Gas)	9.0 ppmvd @ 15% O ₂	24-hr block	CEMS	BACT
	58.5 lb/hr ^g	3 1-hr runs	Stack Test <u>None</u>	<u>Equivalent</u>
NO _x ^a (Oil)	42.0 ppmvd @ 15% O ₂	4-hr rolling average ^f	CEMS	NSPS
	329.4 lb/hr ^g	3 1-hr runs	Stack Test <u>None</u>	<u>Equivalent</u>
CO ^b (Gas)	4.1 ppmvd @ 15% O ₂	24-hr block	CEMS	BACT
	16.2 lb/hr ^g	3 1-hr runs	Stack Test <u>None</u>	<u>Equivalent</u>
CO ^b (Oil)	8.0 ppmvd @ 15% O ₂	24-hr block	CEMS	BACT
	38.2 lb/hr ^g	3 1-hr runs	Stack Test <u>None</u>	<u>Equivalent</u>
PM/PM ₁₀ ^c	10 % Opacity	6-minute block	Visible Emissions Test	BACT
	2 gr S/100 SCF of gas/ 0.0015% S fuel oil	N/A	Record Keeping	
SAM/SO ₂ ^d	2 gr S/100 SCF of gas/ 0.0015% S fuel oil	N/A	Record Keeping	BACT

- Continuous compliance with the 24-hour block and 4-hour rolling average NO_x standards shall be demonstrated based on data collected by the required Continuous Emissions Monitoring System (CEMS). The initial ~~and annual~~ EPA Method 7E or Method 20 tests associated with demonstration of compliance with 40 CFR 60, Subpart KKKK or certification of the CEMS instruments may also be used to demonstrate compliance with the individual standards for natural gas and ULSFO during the time of those tests. NO_x mass emission rates are at International Organization for Standardization (ISO) conditions and are defined as oxides of nitrogen expressed as NO₂.
- Continuous compliance with the 24-hour CO standards shall be demonstrated based on data collected by the required CEMS. The initial ~~and annual~~ EPA Method 10 tests associated with the certification of the CEMS instruments may also be used to demonstrate compliance with the individual standards for natural gas and ULSFO. CO mass emission rates are at ISO conditions.

SECTION 2. PERMIT REVISIONS (DRAFT)

- c. The sulfur fuel specification combined with the efficient combustion design and operation of the gas turbine represents BACT for PM/PM₁₀ emissions. Compliance with the fuel specifications, CO standards, and visible emissions standards shall serve as indicators of good combustion. Compliance with the fuel specifications shall be demonstrated by keeping records of the fuel sulfur content. Compliance with the visible emissions standard shall be demonstrated by conducting tests in accordance with EPA Method 9.
 - d. The fuel sulfur specification effectively limits the potential emissions of SAM and SO₂ from the gas turbines and represents BACT for these pollutants. Compliance with the fuel sulfur specifications shall be determined by the ASTM methods or a certified fuel sulfur analysis from the fuel vendor for determination of fuel sulfur as detailed in the draft permit.
 - e. The mass emission rate standards are based on a turbine inlet condition of 59 °F, evaporative cooling on, and using the HHV of the fuel. Mass emission rate may be adjusted to actual test conditions in accordance with the performance curves and/or equations on file with the Department.
 - f. 40 CFR 60, NSPS-Subpart KKKK as described in 60.4380(b)(1).
 - g. For informational purposes.
15. Testing Requirements: Initial tests shall be conducted between 90% and 100% of permitted capacity; adjusted as appropriate, and at prevailing ambient conditions; otherwise, this permit shall be modified to reflect the true maximum capacity as constructed. Tests shall be conducted for each pollutant while firing each fuel in the CT. For each run during tests for visible emissions, emissions of CO recorded by the CEMS shall also be reported. ~~Data collected from the reference method during the required CEMS quality assurance relative accuracy test audit (RATA) tests may substitute for annual compliance tests for NO_x and CO, provided the owner or operator indicates this intent in the submitted test protocol, and obtains approval prior to testing.~~ The RATA tests shall be conducted while the affected facility is operating at more than 50 percent of normal load. The mass emission rate standard equivalents are based on a turbine inlet condition of 59° F and 100 percent full load operation. Combustion turbine capacity and mass emission rate may be adjusted from actual test conditions in accordance with the performance curves and/or equations on file with the Department. [Rule 62-297.310(7)(a), F.A.C.; 40 CFR 60.8 and 40 CFR 60 Appendix B, Spec.2]
17. Subsequent Compliance Testing: Annual compliance tests for NO_x, CO ~~(done in conjunction with RATA tests) and visible emissions~~ shall be conducted during each federal fiscal year (October 1st to September 30th). ~~If normal operation on fuel oil is less than 400 hours per calendar year, then subsequent compliance testing on fuel oil is not required for that year. If normal operation on fuel oil exceeds 400 hours per year, the Department shall require compliance testing for NO_x, CO (done in conjunction with RATA tests) and visible emissions while firing natural gas. Visible emissions tests shall also be performed while firing fuel oil if fuel oil was fired for more than 400 hours during the federal fiscal year.~~ [Rules 62-4.070, 62-210.200(BACT) and 62-297.310(7)(a)4, F.A.C.]

Friday, Barbara

From: Friday, Barbara
Sent: Thursday, October 06, 2011 10:54 AM
To: 'chanjm@jea.com'
Cc: 'giannb@jea.com'; Felton-Smith, Rita; 'robinson@coj.net'; 'forney.kathleen@epamail.epa.gov'; 'oquendo.ana@epa.gov'; Searce, Lynn; Costello, Martin; Holtom, Jonathan
Subject: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC
Attachments: 0310561-003-AV&004-ACSignedWrittenNoticeofIntent.pdf

Tracking:	Recipient	Delivery
	✓ 'chanjm@jea.com'	
	✓ 'giannb@jea.com'	
	✓ Felton-Smith, Rita	Delivered: 10/6/2011 10:55 AM
	✓ 'robinson@coj.net'	
	'forney.kathleen@epamail.epa.gov'	
	'oquendo.ana@epa.gov'	
	✓ Searce, Lynn	Delivered: 10/6/2011 10:55 AM
	✓ Costello, Martin	Delivered: 10/6/2011 10:54 AM
	✓ Holtom, Jonathan	Delivered: 10/6/2011 10:55 AM

Dear Mr. Chansler:

Attached is the official **Notice of Draft Permit** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send".

Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

Attention: Martin Costello

Owner/Company Name: JEA
Facility Name: GREENLAND ENERGY CENTER
Project Number: 0310561-003-AV/0310561-004-AC
Permit Status: DRAFT/PROPOSED/ DRAFT CONSTRUCTION REVISION
Permit Activity: INITIAL ISSUANCE
Facility County: DUVAL

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

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0310561.003.AV.D_pdf.zip

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

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0310561.004.AC.D_pdf.zip

The Office of Permitting and Compliance is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Access these documents by clicking on the link provided above, or

Friday, Barbara

From: Chansler, James M. - Chief Operating Officer [ChanJM@jea.com]
To: Friday, Barbara
Sent: Thursday, October 06, 2011 11:02 AM
Subject: Read: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message was read on Thursday, October 06, 2011 11:02:08 AM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Gianazza, N. Bert [GianNB@jea.com]
To: Friday, Barbara
Sent: Thursday, October 06, 2011 11:26 AM
Subject: Read: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message was read on Thursday, October 06, 2011 11:26:04 AM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Gianazza, N. Bert [GianNB@jea.com]
Sent: Thursday, October 06, 2011 11:48 AM
To: Friday, Barbara
Subject: RE: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Barbara,

My R.O. and I have received this email and can view the documents.

Thanks, Bert

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Thursday, October 06, 2011 10:54 AM
To: Chansler, James M. - Chief Operating Officer
Cc: Gianazza, N. Bert; Felton-Smith, Rita; 'robinson@coj.net';
'forney.kathleen@epamail.epa.gov'; 'oquendo.ana@epa.gov'; Searce, Lynn; Costello, Martin;
Holtom, Jonathan
Subject: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Dear Mr. Chansler:

Attached is the official Notice of Draft Permit for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send".

Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

Attention: Martin Costello

Owner/Company Name: JEA
Facility Name: GREENLAND ENERGY CENTER
Project Number: 0310561-003-AV/0310561-004-AC Permit Status: DRAFT/PROPOSED/ DRAFT
CONSTRUCTION REVISION Permit Activity: INITIAL ISSUANCE Facility County: DUVAL

Click on the following link to access the permit project documents:
http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0310561.003.AV.D_pdf.zip

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

Friday, Barbara

From: Microsoft Exchange
To: 'robinson@coj.net'
Sent: Thursday, October 06, 2011 10:55 AM
Subject: Relayed: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

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

'robinson@coj.net'

Subject: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Sent by Microsoft Exchange Server 2007

Friday, Barbara

From: Robinson, Richard [ROBINSON@coj.net]
To: Friday, Barbara
Sent: Thursday, October 06, 2011 11:12 AM
Subject: Read: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message was read on Thursday, October 06, 2011 11:11:35 AM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Microsoft Exchange
To: Holtom, Jonathan; Searce, Lynn; Felton-Smith, Rita
Sent: Thursday, October 06, 2011 10:55 AM
Subject: Delivered: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message has been delivered to the following recipients:

Holtom, Jonathan

Searce, Lynn

Felton-Smith, Rita

Subject: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Sent by Microsoft Exchange Server 2007

Friday, Barbara

From: Holtom, Jonathan
To: Friday, Barbara
Sent: Thursday, October 06, 2011 12:15 PM
Subject: Read: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message was read on Thursday, October 06, 2011 12:14:53 PM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Searce, Lynn
To: Friday, Barbara
Sent: Thursday, October 06, 2011 10:55 AM
Subject: Read: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message was read on Thursday, October 06, 2011 10:55:17 AM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Felton-Smith, Rita
To: Friday, Barbara
Sent: Thursday, October 06, 2011 10:58 AM
Subject: Read: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message was read on Thursday, October 06, 2011 10:57:37 AM (GMT-05:00) Eastern Time (US & Canada).

Friday, Barbara

From: Microsoft Exchange
To: Costello, Martin
Sent: Thursday, October 06, 2011 10:54 AM
Subject: Delivered: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message has been delivered to the following recipients:

Costello, Martin

Subject: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Sent by Microsoft Exchange Server 2007

Friday, Barbara

From: Costello, Martin
To: Friday, Barbara
Sent: Thursday, October 06, 2011 11:16 AM
Subject: Read: JEA - Greenland Energy Center - 0310561-003-AV/0310561-004-AC

Your message was read on Thursday, October 06, 2011 11:16:28 AM (GMT-05:00) Eastern Time (US & Canada).