



# Florida Department of Environmental Protection

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

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

October 6, 2008

Electronically Sent – Read Receipt Requested

Mr. James M. Chansler, P.E., D.P.A.  
Chief Operating Officer and Responsible Official  
JEA  
21 West Church Street  
Jacksonville, FL 32202

Re: Request to Use Fuel Additives in the Nos. 1 and 2 Circulating Fluidized Bed Boilers  
Northside Generating Station  
Permit Project No.: 0310045-023-AC/PSD-FL-265F

Dear Mr. Chansler:

The Department has received the request to use fuel additives in the Nos. 1 and 2 Circulating Fluidized Bed Boilers located at the JEA's Northside Generating Station. The P.E. Seal page was received on September 16, 2008. A site visit was conducted on September 24, 2008, with Mr. Bert Gianazza (JEA) and Mr. Richard Robinson (Duval County) to discuss the current proposal. Based on our initial review of the proposed project, we have determined that additional information is needed in order to continue processing the request. Please provide all assumptions, calculations, and reference material(s), that are used or reflected in any of your responses to the following issues:

1. Describe how the facility will receive the proposed fuel additive materials, unload the materials, store the materials, and use the materials. Include in the description, among other things, the transportation units, storage facilities, wind breakers and dust suppressants. Also, describe a full cycle of operation with the fuel additives that covers the time from the receipt of the fuel additives through the final usage of these materials. Also, provide the potential source of the fuel additives and include an analysis of these materials.
2. How much of each material will be utilized hourly and annually. Provide the calculations and submit the potential to emit (PTE) for the pollutants that are expected to be generated with the receiving, storage, and processing of the fuel additives, specifically kaolinite (clays) and bottom ash. Based on the site visit, it appears that all of the PTE are fugitive emissions of particulate matter.
3. Provide a plot map for the proposed locations of the proposed Quonset huts and wind breakers. How many Quonset huts will be utilized.
4. After completing the calculations for the PTE, provide a rule applicability analysis for the proposed activity. If appropriate, complete the application pages for an air construction permit in Form 62-210.900(1), Florida Administrative Code, and submit.

If you have any questions, please contact Bruce Mitchell at 850/413-9198.

Sincerely,

Syed Arif, P.E.  
New Source Review Section

cc: James M. Chansler, Chief Operating Officer and Responsible Official, JEA ([chanjm@jea.com](mailto:chanjm@jea.com))  
Bert Gianazza, P.E., JEA ([giannb@jea.com](mailto:giannb@jea.com))  
Richard Robinson, Duval County Local Air Program, ([robinson@coj.net](mailto:robinson@coj.net))

## Walker, Elizabeth (AIR)

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**From:** Walker, Elizabeth (AIR)  
**Sent:** Tuesday, October 07, 2008 11:01 AM  
**To:** 'chanjm@jea.com'; 'giannb@jea.com'  
**Cc:** Arif, Syed; Mitchell, Bruce; Gibson, Victoria; 'Robinson, Richard'  
**Subject:** RAI-JEA Northside Generating Station Project 0310045-023-AC/PSD-FL-265F  
**Attachments:** JEANorthSideRAI.pdf

Dear Sirs:

The attached document may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible and notify us of any problems opening the documents. Once opened, follow these steps to confirm receipt of the document:

Send a "reply" message verifying receipt of the attached document(s); 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".

The Division of Air Resource Management is sending electronic versions of these documents in lieu of sending them Return Receipt Requested via the US Postal service to provide greater service to the applicant and the engineering community. Your "receipt confirmation" e-mail serves the same purpose as tracking the receipt of the signed "Return Receipt" card from the US Postal Service. We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s). Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record.

*Elizabeth Walker*

Bureau of Air Regulation  
Division of Air Resource Management (DARM)  
(850)921-9505

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html> .

**Walker, Elizabeth (AIR)**

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**From:** Arif, Syed  
**To:** Walker, Elizabeth (AIR)  
**Sent:** Tuesday, October 07, 2008 11:02 AM  
**Subject:** Read: RAI-JEA Northside Generating Station Project 0310045-023-AC/PSD-FL-265F

Your message

To: 'chanjm@jea.com'; 'giannb@jea.com'  
Cc: Arif, Syed; Mitchell, Bruce; Gibson, Victoria; 'Robinson, Richard'  
Subject: RAI-JEA Northside Generating Station Project 0310045-023-AC/PSD-FL-265F  
Sent: 10/7/2008 11:01 AM

was read on 10/7/2008 11:02 AM.

## Walker, Elizabeth (AIR)

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**From:** Exchange Administrator  
**Sent:** Tuesday, October 07, 2008 11:01 AM  
**To:** Walker, Elizabeth (AIR)  
**Subject:** Delivery Status Notification (Relay)  
**Attachments:** ATT974521.txt; RAI-JEA Northside Generating Station Project 0310045-023-AC/PSD-FL-265F

This is an automatically generated Delivery Status Notification.

Your message has been successfully relayed to the following recipients, but the requested delivery status notifications may not be generated by the destination.

[chanjm@jea.com](mailto:chanjm@jea.com)

[giannb@jea.com](mailto:giannb@jea.com)

## Walker, Elizabeth (AIR)

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**From:** Gianazza, N. Bert [GianNB@jea.com]  
**Sent:** Wednesday, October 08, 2008 9:01 AM  
**To:** Walker, Elizabeth (AIR)  
**Subject:** RE: RAI-JEA Northside Generating Station Project 0310045-023-AC/PSD-FL-265F

On behalf of my R.O. and me...received.

Tx, Bert

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**From:** Walker, Elizabeth (AIR) [mailto:Elizabeth.Walker@dep.state.fl.us]  
**Sent:** Tuesday, October 07, 2008 11:01 AM  
**To:** Chansler, James M. - Chief Operating Officer; Gianazza, N. Bert  
**Cc:** Arif, Syed; Mitchell, Bruce; Gibson, Victoria; Robinson, Richard  
**Subject:** RAI-JEA Northside Generating Station Project 0310045-023-AC/PSD-FL-265F

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*Elizabeth Walker*  
Bureau of Air Regulation  
Division of Air Resource Management (DARM)  
(850)921-9505

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be downloaded for free at the following internet site: <http://www.adobe.com/products/acrobat/readstep.html> .

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mail addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact JEA by phone or in writing.

**Walker, Elizabeth (AIR)**

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**From:** Chansler, James M. - Chief Operating Officer [ChanJM@jea.com]  
**To:** Walker, Elizabeth (AIR)  
**Sent:** Wednesday, October 08, 2008 8:42 AM  
**Subject:** Read: RAI-JEA Northside Generating Station Project 0310045-023-AC/PSD-FL-265F

Your message

To: [ChanJM@jea.com](mailto:ChanJM@jea.com)  
Subject:

was read on 10/8/2008 8:42 AM.