

# Florida Department of Environmental Protection

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## Memorandum

TO: Joseph Kahn, Division of Air Resource Management  
THROUGH: Trina Vielhauer, Bureau of Air Regulation JH  
Jon Holtom, P.E., Title V Section  
FROM: Scott M. Sheplak, P.E., Title V Section sms  
DATE: November 5, 2008  
SUBJECT: JEA's Northside Generating Station and St. Johns River Power Park  
Separation Technologies LLC's Separation Technologies, Inc.

Final Permit No. 0310045-021-AC/PSD-FL-265D, Air Construction Permit Revision

The Final Permit for this project is attached for your approval and signature, which revises a specific condition of air construction permit 0310045-003-AC/PSD-FL-265, clarifying that tests may be conducted on the current blend of coal and/or petroleum coke and not require that the fuel be switched to 100% coal for the test.

The attached Final Determination identifies issuance of the draft permit and summarizes the publication process. There are no pending petitions for administrative hearings or extensions of time to file a petition for an administrative hearing.

I recommend your approval of the attached Final Permit for this project.

TLV/jkh/sms

Attachments

**FINAL DETERMINATION**

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**PERMITTEE**

JEA  
21 West Church Street  
Jacksonville, Florida 32202

Authorized Representative/Responsible Official: Mr. James M. Chansler, P.E., D.P.A., Chief Operating Officer

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection (Department)  
Division of Air Resource Management  
Bureau of Air Regulation, Title V Section  
2600 Blair Stone Road, MS #5505  
Tallahassee, Florida 32399-2400

**PROJECT**

**Emissions Units Affected by this Proposed Project**

<b>E.U. ID Nos.</b>	<b>Brief Description</b>
-029	Crusher House Building Baghouse Exhaust
-031	Fuel Silos Dust Collectors - Baghouse Exhaust

**Proposed Project (Activity)**

The applicant requested that the testing condition be updated to allow testing on coal and/or petroleum coke. Permit No. 0310045-003-AC/PSD-FL-265 allowed the use of petroleum coke in the Boiler Nos. 1 & 2 and the materials handling operation however, neglected to update the testing condition. This change will allow JEA to perform the annual tests on the fuels listed that are being fired at the time of testing and not require a switch to 100% coal just for testing.

**NOTICE AND PUBLICATION**

The Department distributed a Written Notice of Intent to Issue Permit package on October 13, 2008. The applicant published the Public Notice of Intent to Issue in the Florida Times Union on October 8, 2008. The Department received the proof of publication on October 15, 2008.

**COMMENTS**

No comments were received on the Draft Permit.

**CONCLUSION**

The final action of the Department is to issue the permit.

**STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**NOTICE OF FINAL PERMIT**

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

JEA  
21 West Church Street  
Jacksonville, Florida 32202

Authorized Representative:  
Mr. James M. Chansler, P.E., D.P.A.  
Chief Operating Officer

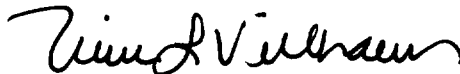
Air Permit No. 0310045-021-AC/PSD-FL-265D  
Northside Generating Station and St. Johns  
River Power Park (NGS/SJRPP)  
Separation Technologies LLC's Separation  
Technologies, Inc. (STI)

Air Construction Permit Revision  
Duval County

Enclosed is the final air construction permit revision, revising a specific condition of air construction permit 0310045-003-AC/PSD-FL-265, clarifying that tests may be conducted on the current blend of coal and/or petroleum coke and not require that the fuel be switched to 100% coal for the test. This facility is located in Duval County at 4377 Heckshire Drive, Jacksonville, Florida. This permit is issued pursuant to Chapter 403, Florida Statutes.

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

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief  
Bureau of Air Regulation

TLV/jkh/sms

NOTICE OF FINAL PERMIT

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final Permit and Final Determination), or a link to these documents available electronically on a publicly accessible server was sent by electronic mail with received receipt requested before the close of business on 11/10/08 to the persons listed below.

- Mr. James M. Chansler, P.E., D.P.A., Chief Operating Officer, JEA: [chanJM@jea.com](mailto:chanJM@jea.com)
- Mr. Michael Brost, Vice President, Electric Systems, JEA: [brosmj@jea.com](mailto:brosmj@jea.com)
- Mr. N. Bert Gianazza, P.E., JEA: [gianNB@jea.com](mailto:gianNB@jea.com)
- Mr. Chris Kirts, P.E., DEP NED: [Christopher.Kirts@dep.state.fl.us](mailto:Christopher.Kirts@dep.state.fl.us)
- Mr. Richard Robinson, P.E., ERMD/EQD/AQB: [robinson@coj.net](mailto:robinson@coj.net)
- Mr. Michael Halpin, P.E., DEP Siting: [michael.halpin@dep.state.fl.us](mailto:michael.halpin@dep.state.fl.us)
- Ms. Katy R. Forney, U.S. EPA, Region 4: [Forney.Kathleen@epamail.epa.gov](mailto:Forney.Kathleen@epamail.epa.gov)
- Ms. Barbara Friday, DEP BAR: [Barbara.Friday@dep.state.fl.us](mailto:Barbara.Friday@dep.state.fl.us) (for posting with U.S. EPA, Region 4)
- Ms. Victoria Gibson, DEP BAR: [Victoria.Gibson@dep.state.fl.us](mailto:Victoria.Gibson@dep.state.fl.us) (for reading file)

Clerk Stamp

**FILED 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)

11/10/08  
(Date)



# 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

## PERMITTEE:

JEA  
21 West Church Street  
Jacksonville, Florida 32202

Permit No. 0310045-021-AC/PSD-FL-265D  
NGS/SJRPP/STI  
Facility ID No. 0310045  
Air Construction Permit Revision

## PROJECT AND LOCATION

This permit revises a specific condition of air construction permit 0310045-003-AC/PSD-FL-265, clarifying that tests may be conducted on the current blend of coal and/or petroleum coke and not require that the fuel be switched to 100% coal for the test. The previously issued Permit No. 0310045-003-AC/PSD-FL-265 allowed the use of petroleum coke in CFB Boiler Nos. 1 & 2 and the materials handling operation. The existing NGS/SJRPP/STI is located at 4377 Heckshire Drive, Jacksonville, in Duval County. UTM Coordinates are: Zone 17, 446.90 km East and 3359.150 km North. Latitude is: 30° 21' 52" North; and, Longitude is: 81° 37' 25" West.

## STATEMENT OF BASIS

This air pollution construction permit revision 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.). The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

## CONTENTS

Section III. Emissions Units and Specific Conditions

Joseph Kahn, Director  
Division of Air Resource Management

11/10/08

Effective Date

JK/tlv/jkh/sms

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Emissions Units -029 & -031**

Specific Condition III.41. from PSD-FL-265/0310045-003-AC is hereby changed

**From:**

**41. Materials Handling Operations.** Visible emissions tests shall be conducted on the materials handling operations to determine compliance with applicable limits, as follows:

Emissions Units at Northside	EPA Method(s)	Duration of VE Test	Frequency	Material
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<b>XX. NSPS - Y</b>				
Crusher House Building Baghouse Exhaust (EU-029)	9	IVE - 3 hr RVE - 30 min	I & R	C
Fuel Silos Dust Collectors - Baghouse Exhaust (EU-031)	9	IVE - 3 hr RVE - 30 min	I & R	C

C – Coal and/or Coal coated with latex  
 I – Initial R - Renewal (once every 5 years)  
 IVE – Initial Visible Emissions Test, RVE - Renewal Visible Emissions Test  
 LS – Limestone; PC-Petroleum Coke

**To:**

**41. Materials Handling Operations.** Visible emissions tests shall be conducted on the materials handling operations to determine compliance with applicable limits, as follows:

Emissions Units at Northside	EPA Method(s)	Duration of VE Test	Frequency	Material
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Crusher House Building Baghouse Exhaust (EU-029)	9	IVE - 3 hr RVE - 30 min	I & R	C &/or PC
Fuel Silos Dust Collectors - Baghouse Exhaust (EU-031)	9	IVE - 3 hr RVE - 30 min	I & R	C &/or PC

C – Coal and/or Coal coated with latex  
 I – Initial R - Renewal (once every 5 years)  
 IVE – Initial Visible Emissions Test, RVE - Renewal Visible Emissions Test  
 LS – Limestone; PC-Petroleum Coke

**Tracking:**

<b>Recipient</b>	<b>Delivery</b>	<b>Read</b>
'chanJM@jea.com'		
'brosmj@jea.com'		
'gianNB@jea.com'		
Kirts, Christopher	Delivered: 11/10/2008 5:52 PM	Read: 11/12/2008 10:48 AM
'robinson@coj.net'		
'michael.halpin@dep.state.fl.us'	Failed: 11/10/2008 5:52 PM	
'Forney.Kathleen@epamail.epa.gov'		
Friday, Barbara	Delivered: 11/10/2008 5:52 PM	Read: 11/12/2008 7:37 AM
Gibson, Victoria	Delivered: 11/10/2008 5:52 PM	Read: 11/12/2008 9:16 AM
Walker, Elizabeth (AIR)	Delivered: 11/10/2008 5:52 PM	
Sheplak, Scott	Delivered: 11/10/2008 5:52 PM	Read: 11/10/2008 6:04 PM
Holtom, Jonathan	Delivered: 11/10/2008 5:52 PM	Read: 11/12/2008 8:30 AM

## Livingston, Sylvia

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**From:** Livingston, Sylvia  
**Sent:** Monday, November 10, 2008 5:52 PM  
**To:** 'chanJM@jea.com'; 'brosmj@jea.com'; 'gianNB@jea.com'  
**Cc:** Kirts, Christopher; 'robinson@coj.net'; 'michael.halpin@dep.state.fl.us';  
'Forney.Kathleen@epamail.epa.gov'; Friday, Barbara; Gibson, Victoria; Walker, Elizabeth  
(AIR); Sheplak, Scott; Holtom, Jonathan  
**Subject:** JEA - NORTHSIDE/SJRPP; 0310045-021-AC (PSD-FL-265D)  
**Attachments:** 0310045-021-AC.pdf

Dear Sir/ Madam:

Attached is the official **Notice of Final 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". **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).

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

[http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf\\_permit\\_zip\\_files/0310045.021.AC.F\\_pdf.zip](http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0310045.021.AC.F_pdf.zip)

**Owner/Company Name:** JEA  
**Facility Name:** NORTHSIDE/SJRPP  
**Project Number:** 0310045-021-AC/ PSD-FL-265D  
**Permit Status:** FINAL  
**Permit Activity:** CONSTRUCTION  
**Facility County:** DUVAL  
**Processor:** Al Lineró/ David Read

The Bureau of Air Regulation 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 search for other project documents using the "*Air Permit Documents Search*" website at <http://www.dep.state.fl.us/air/eproducts/apds/default.asp>.

Permit project documents addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation at (850)488-0114.



0310045-021-AC.p  
df (645 KB)

Sylvia Livingston  
Bureau of Air Regulation  
Division of Air Resource Management (DARM)  
850/921-0771



**Livingston, Sylvia**

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**From:** Robinson, Richard [ROBINSON@coj.net]  
**Sent:** Thursday, November 13, 2008 2:34 PM  
**To:** Livingston, Sylvia  
**Subject:** RE: JEA - NORTHSIDE/SJRPP; 0310045-021-AC (PSD-FL-265D)

Sylvia,

I can view the documents in the e-mail link below.

Thanks,

Richard

Richard L. Robinson, P.E.  
Environmental Engineering Manager  
Air Quality Branch  
Environmental Quality Division  
Environmental and Compliance Department  
City of Jacksonville, Florida  
117 West Duval Street, Suite 225  
Jacksonville, FL 32202

Phone: (904) 630-4900  
Fax: (904) 630-3638  
E-Mail: robinson@coj.net

Please note: that under Florida's very broad public records law, e-mail communications to and from City officials may be subject to public disclosure.



Please consider the environment before printing this email.

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**From:** Livingston, Sylvia [mailto:Sylvia.Livingston@dep.state.fl.us]  
**Sent:** Monday, November 10, 2008 5:52 PM  
**To:** chanJM@jea.com; brosmj@jea.com; gianNB@jea.com  
**Cc:** Kirts, Christopher; Robinson, Richard; michael.halpin@dep.state.fl.us; Forney.Kathleen@epamail.epa.gov; Friday, Barbara; Gibson, Victoria; Walker, Elizabeth (AIR); Sheplak, Scott; Holtom, Jonathan  
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**Owner/Company Name:** JEA  
**Facility Name:** NORTHSIDE/SJRPP  
**Project Number:** 0310045-021-AC/ PSD-FL-265D

11/13/2008