

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL PERMIT MODIFICATION

In the Matter of an
Application for Permit Modification

Mr. Walter P. Bussells
JEA
21 West Church Street
Jacksonville, Florida 32202-3139

Permit: 0310001-002-AC/PSD-FL-010(D)

Enclosed is the FINAL Permit Modification which authorizes construction of the flyash beneficiation process at the St. Johns River Power Park in Duval County. This permit is issued pursuant to Chapter 403, Florida Statutes and 62-4 through 297, F.A.C and 40 CFR 52.21 - Prevention of Significant Deterioration(PSD).

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



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

CERTIFICATE OF SERVICE


The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 6-15-00 to the person(s) listed:

Walter P. Bussells, JEA *
Joseph Teves, Separation Technologies, Inc. *
Frank Hrach, Separation Technologies, Inc.
Bert Gianazza, JEA
Mark Loechelt, SJRPP
Deborah Henry, Black & Veatch Corp.

Hamilton S. Oven, Jr., DEP PPSO
Scott Goorland, DEP OGC
Chris Kirts, DEP NED
Robert S. Pace, RESD
Gregg Worley, EPA Region IV

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)

6-15-00
(Date)

FINAL DETERMINATION

JEA St. Johns River Power Park (SJRPP) Flyash Benefication Process DEP File No. 0310001-002-AC/PSD-FL-010(D)

An Intent to Issue a PSD Permit Modification for JEA SJRPP, located at 11201 New Berlin Road, Jacksonville, Duval County, Florida, was distributed on April 18, 2000. The Public Notice of Intent to Issue PSD Permit Modification was published in the Florida Times-Union on May 5, 2000. Copies of the draft permit modification were available for public inspection at the Department offices in Jacksonville and Tallahassee.

The National Park Service, the U.S. Environmental Protection Agency or the public submitted no comments.

This PSD permitting action was coordinated with SJRPP's Site Certification issued under the Power Plant Siting Act (PPSA), Sections 403.501-403.518, F.S. Pursuant to Condition of Certification No. XXV.B of the separate Site Certification Order for SJRPP (PA 81-13), the PPSA certification will be automatically modified to conform to amendments to SJRPP's PSD Permit (PSD-FL-010 (D)).

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



Department of Environmental Protection

Jeb Bush
Governor

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

David B. Struhs
Secretary

June 12, 2000

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Walter P. Bussells
Managing Director and CEO, JEA
21 West Church Street
Jacksonville, FL 32202

Re: Flyash Processing System
St. Johns River Power Park; Duval County
DEP File No.: 0310001-002-AC/PSD-FL-010(D)

Dear Mr. Bussells:

The Department has reviewed the application submitted by Separation Technologies Inc. (STI) to construct a flyash beneficiation process at the St. John's River Power Park. Because the process will be located at the existing certified facility, the Department has determined that it is necessary to modify the permit issued pursuant to the rules for the Prevention of Significant Deterioration of Air Quality (PSD Permit). The permit dated March 12, 1982 and previously modified on October 28, 1986, October 11, 1996, and July 28, 1999 is further modified as follows:

CONDITION 2

Referenced Table 6 from the Final Determination is further modified by addition of Part D to reflect the flyash beneficiation process.

TABLE 6 - PART D			
Emission Unit ID	New Flyash Processing System	PM/PM₁₀	Opacity (%)
<u>44</u>	<u>Separator A Filter - Receiver Vent</u>	<u>0.015 gr/scf</u>	<u>5</u>
<u>45</u>	<u>Separator B Filter - Receiver Vent</u>	<u>0.015 gr/scf</u>	<u>5</u>
<u>46</u>	<u>Separator Dust Collector Vent</u>	<u>0.015 gr/scf</u>	<u>5</u>
<u>47</u>	<u>Clean-up Vacuum Vent</u>	<u>0.015 gr/scf</u>	<u>5</u>
<u>48</u>	<u>Flyash Surge Bin Vent</u>	<u>0.015 gr/scf</u>	<u>5</u>
<u>49</u>	<u>Mineral Additive Storage Bin Vent</u>	<u>0.015 gr/scf</u>	<u>5</u>
<u>50</u>	<u>Gas-fired Dryer Stack</u>	<u>1.60 lb/hr</u>	<u>5</u>

CONDITION 3 (add the following paragraphs)

Initial compliance with the applicable particulate emission limits of emission units 44 through 49 listed in Part D of Table 6 shall be demonstrated by performing a visible emissions test using EPA Method 9, or other methods determined to be suitable by the Department (ref. Rules 62-296.711(3) and 62-296.712(3)).

F.A.C.). Visible emissions less than or equal to 5 percent opacity shall be considered in-compliance. Annual compliance certification shall be achieved on emission units 44 through 49 using EPA Method 9 tests to measure opacity.

Initial compliance with the applicable particulate emission limit of emission unit 50 listed in Part D of Table 6 shall be demonstrated by performing a particulate emissions test using EPA Method 5, or other methods determined to be suitable by the Department (ref. Rules 62-296.711(3) and 62-296.712(3), F.A.C.). Particulate emissions less than or equal to 1.60 lb/hr shall be considered in-compliance. If the initial compliance test shows the unit to be in-compliance with the particulate emission limit of 1.60 lb/hr, then future annual compliance certification shall be achieved using EPA Method 9. Visible emissions of less than or equal to 5 percent opacity shall be considered in-compliance.

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.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



hr

Howard L. Rhodes, Director
Division of Air Resources
Management

Z 341 355 313

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

PS Form 3800, April 1995

Sent to	
Joseph Teves	
Street & Number	
5 T I	
Post Office, State, & ZIP Code	
Needham, MA	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	
6-15-00	
0310001-002-AC	
PSD-FI-D10D	

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:

Joseph Teves, Pres
5 T I
10 Kearney Rd
Needham, MA
02494

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)	B. Date of Delivery
	6-19-00
C. Signature	
X Mailment	<input type="checkbox"/> Agent
	<input type="checkbox"/> Addressee
D. Is delivery address different from item 1?	
<input type="checkbox"/> Yes	
If YES, enter delivery address below: <input type="checkbox"/> No	

3. Service Type

<input checked="" type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail
<input type="checkbox"/> Registered	<input type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.

4. Restricted Delivery? (Extra Fee) Yes

2. Article Number (Copy from service label)

Z 341 355 313

Z 341 355 312

US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided.
Do not use for International Mail (See reverse)

Sent to	
Walter Bussells	
Street & Number	
JEA	
Post Office, State, & ZIP Code	
JAX FL	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	
6-15-00	
0310001-002-AC	
PSP FI-010(0)	

PS Form 3800 April 1995

DEFERRED

Fold at line over top of envelope to the right of the return address

<p>SENDER: COMPLETE</p> <ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. <p>1. Article Addressed to:</p> <p>Mr. Walter P. Bussells JEA 21 W. Church St. Jacksonville, FL 32202-3139</p>	<p style="text-align: right;">ON DELIVERY</p> <p>A. Received by (Please Print Clearly) _____</p> <p>B. Date of Delivery 6-19-00</p> <p>C. Signature <u>D. Gork</u> <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
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2. Article Number (Copy from service label) Z 341 355 312

Florida Department of
Environmental Protection

Memorandum

TO: Howard L. Rhodes

THRU: Clair Fancy
Al Linero JK 466 AAL

FROM: Syed Arif Syed Arif

DATE: June 12, 2000

SUBJECT: JEA St. Johns River Power Park (SJRPP)
0310001-002-AC/PSD-FL-010(C) Flyash Benefication Process

Attached for approval and signature is the final modification for the above referenced permit. The facility was required to do a public notice and no comments were received.

Separation Technologies, Inc. (STI) will beneficate and market 300,000 tons per year of flyash produced by SJRPP that is currently landfilled onsite. The two-step process will consist of (1) removal of residual carbon from the flyash; and (2) removal of residual ammonia from the flyash, thereby leaving a saleable product. STI proposes to construct the new flyash processing system on a portion of leased property at SJRPP. As a result of the proposed construction, environmental benefits will include a 255,000 tons per year reduction in the flyash currently sent to landfill by SJRPP and an overall reduction in the ammonia releases with the recovery and subsequent recycle of ammonia removed from the flyash.

The potential PM/PM₁₀ emissions for all proposed sources combined are less than 15 tons per year. Therefore, the construction is not subject to review under the Prevention of Significant Deterioration program. PM/PM₁₀ emissions will be controlled utilizing dust collectors.

The project modification provides reasonable assurance that all the requirements of the permit will be complied with. I recommend your approval and signature.

SA/a

Attachments