

Florida Department of
Environmental Protection

Memorandum

TO: Michael G. Cooke

THRU: Trina Vielhaber
J. F. Koerner *JFK*

FROM: Michael P. Halpin *MH*

DATE: March 10, 2006

SUBJECT: Lakeland McIntosh Unit No. 3 FGD Modifications
DEP File No. PSD-FL-008, PA 74-06

Attached is the final permit for Lakeland's McIntosh Unit No. 3. This is an existing coal-fired unit which has requested permission to modify its flue gas desulphurization (FGD) system.

The proposed modifications are being made in order to convert the existing FGD system to forced oxidation. Such changes include the installation of compressors/blowers, air sparging lances and absorber agitators, as well as making changes to the absorber bleed system for dewatering the gypsum byproduct.

The permit conditions are designed to provide the Department with reasonable assurance that the permitted changes will not cause a PSD significant increase. Since no significant emission increases are expected, no PSD review or BACT Determination was required.

Notice was published in the Lakeland Ledger on Thursday, February 23, 2006. Only one minor comment was received from the applicant, requesting 45 days to perform stack testing rather than 30 days which had been proposed in the draft permit (see attached condition 3). This comment was acceptable and the condition was changed as requested.

I recommend your approval.

Attachments

/mph



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

March 10, 2006

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Timothy Bachand
Director Energy Supply
Lakeland Utilities
501 East Lemon Street
Lakeland, FL 33801-5079

Re: DEP File No. PSD-FL-008, PA 74-06
Lakeland McIntosh Unit No. 3 FGD Modifications

Dear Mr. Bachand:

The Department has reviewed your application dated January 26, 2006 concerning planned Flue Gas Desulphurization modifications on McIntosh Unit 3 located in Polk County, Florida. The proposed modifications are being made in order to convert the existing FGD system to forced oxidation. Such changes include the installation of compressors/blowers, air sparging lances and absorber agitators, as well as making changes to the absorber bleed system for dewatering the gypsum byproduct.

In order to ensure the aforementioned changes do not cause PSD significant increases to air emissions, Lakeland Utilities shall comply with the requirements of this permit, however all conditions of existing permits shall remain in force.

McIntosh Unit 3 shall be subject to the following additional conditions:

1. The permittee shall notify the DEP Southwest District one day prior to commencement of the construction activities outlined above and 7 days prior to commencement of any related stack performance testing.
2. The Department's Southwest District shall be notified within 5 days, in writing, upon completion of the related construction activities.
3. Within 45 days of placing Unit 3 on line (after the above FGD modifications are completed) stack testing shall be performed for SO₂ and particulate matter in order to demonstrate that existing permit conditions can be met. Performance tests shall be conducted and data reduced in accordance with methods and procedures in accordance with EPA or DEP approved test methods.
4. This modification, including related activities shall not result in the release of objectionable odors pursuant to Rule 62-296.320(2). F.A.C.
5. Lakeland shall utilize best practices in order to ensure that fugitive emissions resulting from this modification (including subsequent long-term material handling operations) are minimized. In no case, shall particulate emissions from such fugitive emission exceed 20% opacity.
6. A written summary shall be submitted to the Bureau of Air Regulation within 60 days of completion of all above-required tests.

This letter must be attached to and shall become a part of the existing permit.

No other changes to the permit are authorized by this action.

"More Protection, Less Process"

Printed on recycled paper.

Mr. Timothy Bachand
March 10, 2006

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This permit is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit) has the right to seek judicial review of it under Section 120.68, F.S., by the filing of 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 of Appeal must be filed within (thirty) days after this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

Sincerely,



Michael G. Cooke, Director
Division of Air Resource
Management

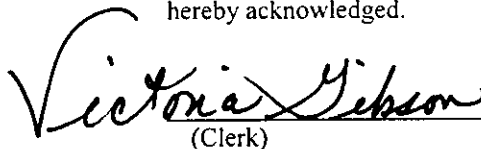
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Construction Permit was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 3/10/06 to the person(s) listed:

Mr. Timothy Bachand, Lakeland Utilities *
Ms. Farzie Shelton, Lakeland Utilities
Mr. Ken Kosky, Golder
Mr. Jim Little, EPA
Mr. John Bunyak, NPS
Mr. Joel Smolen, SWD
Mr. William Kutash, SWD
Mr. Hamilton Oven, PPSO
Mr. Joe King, Polk County

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)

3/10/06
(Date)

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. 	<p>A. Signature <input type="checkbox"/> Agent X <i>Bonnie Brennan</i> <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Bonnie Brennan</i> C. Date of Delivery <i>3/13</i></p>
<p>1. Article Addressed to:</p> <p>Timothy Bachand, Director Lakeland Utilities, Energy Supply 501 E. Lemon Street Lakeland, FL 33801-5079</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below. <input checked="" 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>
<p>2. Article Number (Transfer from serial) 7005 1820 0007 9819 8368 </p>	
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

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Sent To Timothy Bachand	
Street, Apt. No., or PO Box No. 501 E. Lemon St.	
City, State, ZIP+4 Lakeland, FL 33801-5079	
PS Form 3800, June 2002 See Reverse for Instructions	