



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

December 22, 1999

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Ricardo Lima, Vice President and General Manager
Okeelanta Power L.P.
P.O. Box 86
South Bay, FL 33493

Re: DEP File No. 0990332-012-AC, Request to Install Pre-Control Equipment
Okeelanta Power L.P. - Cogeneration Plant
(PSD Permit No. PSD-FL-196)
ARMS Facility ID No. 0990332

Dear Mr. Lima:

Okeelanta Power L.P. operates a biomass cogeneration plant located near South Bay in Palm Beach County, Florida. On September 7, 1999, Okeelanta Power L.P. applied to the Department for a minor permit modification to install cyclone dust collectors as pre-control devices prior to the electrostatic precipitators (ESPs). The proposed equipment is intended to remove large particulate matter, which will reduce particulate loading to the electrostatic precipitator and enhance the overall control efficiency. The Department received the final design information on December 16, 1999 and approves the request. In consideration of improving the performance of the existing electrostatic precipitators and because the proposed equipment is expected to reduce particulate emissions, the Department authorizes the applicant to immediately install the following equipment (or equivalent) prior to the electrostatic precipitator for each biomass cogeneration boiler:

Manufacturer: Barron Industries

Model: 460 Tube Barron Base III 9K15-2023-AU

Description: Four module, large diameter, multitube mechanical dust collector with airfoil vanes

Tube Specifications: Cast hard gray iron Base III tube with 9 inch diameter, 460 tubes

Casing, Hopper, and Tube Sheet Materials: Carbon steel

Hoppers: Four through hoppers with internal screw conveyor

Design Flue Gas Conditions: 450°F; 359,506 acfm; dust specific gravity is between 1.00 and 2.00

Design Pressure Drop: 2.8 inches of water column

Overall Design Collection Efficiency: > 85% efficiency for particles greater than PM₁₀ (SG = 2.00)

The Department is also processing a request from Okeelanta Power L.P. to extend standby operation of the bagasse boilers at Okeelanta Corporation's existing sugar mill (DEP File No. 0990332-011-AC). As previously discussed, the Department will include requirements to install, operate, and maintain the mechanical dust collectors as part of this proposed modification, which will require the publishing of a

"More Protection, Less Process"

Printed on recycled paper.

Mr. Ricardo Lima, Okeelanta Power L.P.
DEP File No. 0990332-012-AC, (PSD-FL-196)
Page 2 of 2

Public Notice making these federally enforceable. Please file a copy of this letter authorizing construction with the referenced permit.

Sincerely,



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

Mr. Ricardo Lima, Okeelanta Power L.P.*
Mr. James Meriwether, Okeelanta Power L.P.
Mr. David Buff, Golder Associates
Mr. James Stormer, Palm Beach County Health Department
Mr. David Knowles, South District Office DEP
Gregg Worley, EPA Region 4

Z 031 391 908

US Postal Service

Receipt for Certified Mail

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Ricardo Lima	
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South Bay, FL	
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0990332-012-AC	
P50-F1-196	

PS Form 3800, April 1995

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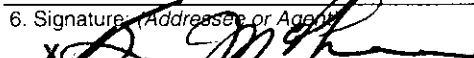
3. Article Addressed to:
 Ricardo Lima, VP & GM
 Cecilia Power, VP
 PO Box 86
 South Bay, FL
 33493

4a. Article Number
 Z 031 391 908

4b. Service Type
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