

State of Florida

DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices  
And/Or To Other Than The Addressee

To: _____	Locn.: _____
To: _____	Locn.: _____
To: _____	Locn.: _____
From: _____	Date: _____

TO: District Managers

ATTN: Air Engineers and Local Programs

FROM: Victoria Martinez *VM*

DATE: August 27, 1979

SUBJECT: Best Available Control Technology (BACT)  
Pursuant to Chapter 17-2.03 FAC

Attached for your information is a copy of the BACT determination by the Department of Environmental Regulation for a Fly Ash Handling and Storage System, Unit #2, Crystal River Plant, Citrus County. The control technology established by the BACT determination is as follows:

Particulate	Lbs./Hr.	
Source #4	2.2	Attainable with a 99.9+% efficient bag dust collector
Source #5	2.2	Attainable with a 99.9% efficient bag dust collector
Test Method		Methods 1 thru 5, Title 40, Part 60 of the Code of Federal Regulations.

Information regarding the determination may be obtained by writing Victoria Martinez, Department of Environmental Regulation, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301

VM/es

Attachment

cc: Jim Estler

## DEPARTMENT OF ENVIRONMENTAL REGULATION

## INTEROFFICE MEMORANDUM

For Routing To District Offices  
And/Or To Other Than The Addressee

To: _____	Locn.: _____
To: _____	Locn.: _____
To: _____	Locn.: _____
From: _____	Date: _____

TO: Jacob D. Varn  
Secretary

FROM: J. P. Subramani, Chief *J. P. Subramani*  
Bureau of Air Quality Management

DATE: August 16, 1979

SUBJECT: BACT Determination - Florida Power Corporation  
Unit #2 Fly Ash Handling and Storage System,  
Crystal River Plant, Citrus County

Facility: The existing Unit #2 electrostatic precipitator will be modified to include thirteen new fields. Along with this modification, the existing Unit #2 fly ash handling system will be changed to allow for storage of the ash in dry state. Currently ash from Unit #2 precipitator is hydraulically sluiced to an ash holding pond. In the modified system, the vacuum required to draw ash from the precipitator will be produced by vacuum blowers rather than by the existing hydroveyors. The two lines conveying the ash from the Unit #2 precipitator to the transfer silo will be vented to the atmosphere after each going through bag filters (sources #4 and #5).

BACT Determination Requested by the Applicant:

	Lbs/Hr.	Tons/Year
Source #4	2.2	9.6
Source #5	2.2	9.6

Date of Receipt of a Complete BACT Application:

June 25, 1979

Date of Publication in the Florida Administrative Weekly:

August 3, 1979

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Date of Publication in a Newspaper of General Circulation:

August 5, 1979, St. Petersburg Times

Study Group Members:

A BACT determination on Unit #1 conveying line was completed January 30, 1979. There have been no significant technological improvements since that date. Thus we apply the same BACT, which obviates the need for a study group.

BACT Determination by the Department of Environmental Regulation:

Particulate	Lbs/Hr.	
Source #4	2.2	Attainable with a 99.9+% efficient bag dust collector
Source #5	2.2	Attainable with a 99.9% efficient bag dust collector
Test Method:		Methods 1 through 5, Title 40, Part 60 of the Code of Federal Regulations.

Justification of DER Determination:

A BACT determination on a Florida Power Unit #1, Fly Ash Handling system was completed in January 1979. There has been no significant improvement in technology since that date, and the low emission limitation determined as BACT for the fly ash conveying lines for Unit #2 represent 99.9% efficiency.

Details of the Analysis May be Obtained by Contacting:

Victoria Martinez, BACT Coordinator  
Department of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Twin Towers Office Building  
Tallahassee, Florida 32301

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Recommendation from: Bureau of Air Quality Management

by: J. P. Subramani  
J. P. Subramani

Date: AUGUST 20, 1979

Approved by: Jacob D. Varn  
Jacob D. Varn

Date: 21<sup>ST</sup> AUGUST 1979

JDV/es

Attachment