

Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767
Lawton Chiles, Governor Carol M. Browner, Secretary

RECEIVED

COMPLETENESS SUMMARY AIR POLLUTION SOURCES

AUG 07 1991

SOURCE NAME: F P & L Sanford, Plant Unit #4

DATE RECEIVED: July 5, 1991

NAME: Martin A. Smith, Ph.D., Manager
Environmental Permitting and
Programs

DATE REVIEWED: July 29, 1991

ADDRESS: Post Office Box 078768
West Palm Beach, Florida 33407

REVIEWED BY:
Alan D. Zahm, P.E.
(198944)

Your application for a permit to construct/operate this referenced project has been received, and reviewed for completeness. The following checked items are needed to complete your application.

- (X) Application fee of \$250. Make check payable to the Department of Environmental Regulation.
- (X) Other: (Any section of the application which is incomplete or lacks sufficient information to be evaluated).

1. Provide the information, based on fuel analysis, which will demonstrate compliance with the sulfur dioxide limit and which should be lower than the last actual limit of 1.2 lb/MMBtu.
2. Provide a description of the certification and calibration procedures for the CEM opacity monitor.
3. Provide a copy of the air construction permit for this source, if one exists.
4. What is the maximum ratio of orimulsion to natural gas for this amendment?
5. Provide test results on the maximum orimulsion ratio which will show an emission lower than with the existing operation of Unit #4:

*Based on V.E. tests
by FAL, not CEM data*

Opacity	
Steady State	<4%
Soot Blowing	<8%
SO ₂	<1.2 lb/MMBtu
particulate	<0.06 lb/MMBtu

*amendment
request for co-firing*

	35%
	60%
	1.6
	0.10 (0.3 soot blow)

The company had made a previous statement that orimulsion emissions will be lower than existing operation.

Completeness Summary
F P & L Sanford, Plant Unit #4
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*I sent John Glenn a memo
a copy of the test
results) on June 4th
asking him if he
had any comments
or concerns.
I have received no
comments.*

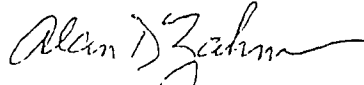
Provide an air toxic analysis of the compounds presented in Tables A-1 and A-2 which will demonstrate compliance with the No Threat Level standards set by the department. The department's 'Screen' Model showed concerns with the emissions of nickel and vanadium. *run by John Turner in Orlando*

7. A review of the May 28, 1991 information indicates an opacity of 28% while the application states that it is 18%. Please comment as to which is correct.
8. The Department requires the applicant to publish a "Notice of Application" for this type of project (October 31, 1990 memo from Dale Twachtman). The "Notice of Application" is enclosed and is for use in a newspaper of general circulation in the county in which the activity is located. Proof of Publication will need to be returned to this office before the review of this project can continue.

Pursuant to Section 120.60(2) Florida Statutes, the department may deny an application if the applicant, after receiving timely notice fails to correct errors, omissions or supply additional information within a reasonable period of time.

If there are any questions, please call me at 407/894-7555 or write to the above address.

Sincerely,



Alan D. Zahm, P.E.
Supervisor, Permitting
Air Resources Management

1 August '91
Date

AZ/t

cc: Ken Kosky
Cindy Phillips ✓

State of Florida
Department of Environmental Regulation
Notice of Application

The Department announces receipt of an application for permit change from Florida Power and Light Company to allow the firing of a mixture of natural gas and orimulsion fuel in Unit No. 4. This proposed project will be located at the Sanford Power Plant at Lake Monroe, off Highway 17-92, northwest of Sanford in Volusia County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at Department of Environmental Regulation, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767. Any comments or objections should be filed in writing with the Department at this address. Comments or objections should be submitted as soon as possible to insure that there is adequate time for them to be considered in the Department's decision on the application.