



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
230 PEACHTREE STREET, N. W. SUITE 818  
ATLANTA, GEORGIA 30303

IE Inspection Report No. 50-302/76-4

Licensee: Florida Power Corporation  
3201 34th Street, South  
Post Office Box 14042  
St. Petersburg, Florida 33733

Facility Name: Crystal River 3  
Docket No.: 50-302  
License No.: CPPR-51  
Category: B1

Location: Crystal River, Florida

Type of License: B&W, PWR, 2452 Mwt

Type of Inspection: Routine, Announced

Dates of Inspection: February 9-13, 1976

Dates of Previous Inspection: January 20-23 and February 3-6, 1976

Inspector-in-Charge: W. L. Britz, Radiation Specialist  
Environmental and Special Projects Section  
Fuel Facility and Materials Safety Branch

Accompanying Inspectors: None

Other Accompanying Personnel: R. L. Bangart, Section Leader  
Environmental and Special Projects Section  
Fuel Facility and Materials Safety Branch

Principal Inspector: *K. W. Whitt* 1/17/76  
K. W. Whitt, Reactor Inspector  
Reactor Projects Section No. 2  
Reactor Operations and Nuclear  
Support Branch  
Date

Reviewed by: *R. C. Lewis* 3/11/76  
R. C. Lewis, Section Leader  
Reaction Projects Section No. 2  
Reactor Operations and Nuclear  
Support Branch  
Date

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SUMMARY OF FINDINGS

- I. Enforcement Matters  
There were no item of noncompliance identified during the inspection.
- II. Licensee Action on Previously Identified Enforcement Matters  
Not inspected.
- III. New Unresolved Items  
None
- IV. Status of Previously Identified Unresolved Items  
Not inspected.
- V. Unusual Occurrences  
None
- VI. Other Significant Findings  
None
- VII. Management Interview  
A management interview was held on February 13, 1976, with Mr. G. P. Beatty, Plant Superintendent, and members of his staff. The findings of the inspection were discussed.

DETAILS I

Prepared by: Richard L. Bangart for  
W. L. Britz, Radiation Specialist  
Environmental and Special  
Projects Section  
Fuel Facility and Materials  
Safety Branch

2/26/76  
Date

Dates of Inspection: February 9-13, 1976

Reviewed by: Richard L. Bangart  
R. L. Bangart, Section Leader  
Environmental and Special  
Projects Section  
Fuel Facility and Materials  
Safety Branch

2/26/76  
Date

1. Individuals Contacted

Q. B. DuBois - Acting Nuclear Operations Manager  
E. E. Froats - Manager, Site Surveillance  
G. P. Beatty - Plant Superintendent  
J. R. Wright - Chem Rad Engineer  
J. L. Harrison - Assistant Chem Rad Engineer  
P. J. Daniel - Nuclear Support Specialist  
J. E. Barrett - Compliance Plant Engineer  
D. W. Pedrick - Compliance Engineer (Telecon on 2/18/76)

2. Preoperational and Interim Radiological Environmental Surveillance Program

The preoperational and interim radiological environmental surveillance programs were inspected. Onsite surveillance is conducted under contract by the University of Florida and offsite surveillance is conducted by the State of Florida radiological laboratory. The preoperational program was terminated April 10, 1975, and the interim program started as described in FSAR 2.6.4. The NRC Directorate of Regulatory Licensing was notified by letter on March 3, 1975. The requirements for the preoperational and interim programs were inspected against the monitoring data from the University of Florida and State of Florida for the period January through June, 1975, and found to be acceptable and the program requirements have been met.

3. Operational Radiological Environmental Surveillance Program

Discussions with the licensee's representatives revealed that contracts for the operational program are being completed with the

University of Florida and the Florida Radiological Laboratory of the State of Florida. The representatives stated the program will be in operation by fuel loading. The status of the quality control for the operational program was inspected. Volume I, Administrative Procedures, and Volume X, Surveillance Procedure, of the Plant Operating Quality Assurance Manual, were reviewed. Discussions were held concerning the advantages of upgrading the procedures for the environmental surveillance program to include a complete quality control program. That portion of the program which is administered by the FPC office in St. Petersburg and not covered by plant operating procedures was not yet included in a definitive program for administration and quality control. Audit Summary Sheets #75/11 for the State of Florida and #75/16 for the University of Florida were reviewed. The inspector inquired of the status of the followup for inadequacies noted in the audit. The licensee's representatives stated they would be followed up with another audit. The inspector stated he would return to complete the inspection before fuel loading when the program has been fully organized and is operational or very near operational.

4. Quality Control of Analytical Measurements

The quality control for the radiation chemistry laboratory was inspected. Volume I, Administrative Procedures, and Volume VIII, Chemistry and Radiation Protection Procedures, of the Plant Operating Quality Assurance Manual were reviewed. Procedures which were completed were reviewed and found to be acceptable. Licensee representatives stated that procedures which are being rewritten should be completed by March 15, 1976. The laboratory was toured. Equipment was in the process of being arranged in the laboratory and being put into operation. The exhaust hoods were not yet completed. Discussions with the licensee's representatives revealed that the incomplete exhaust hoods were the primary cause of the delay in getting the laboratory operational. Procedures for the laboratory operations will be included in the Compliance Engineer's quality control review schedule as the procedures are completed and put into operation. Because of the present incomplete status of the laboratory, and procedures, the inspection could not be completed. The inspector stated he would return to complete the inspection before fuel loading.

5. Confirmatory Measurements

The licensee has been provided with test standards to analyze for measurement comparison with the NRC reference laboratory. The licensee will report their measured values to the inspector for comparison when the analyses are completed and well before fuel loading. This portion of the inspection is not complete until the measurements are in agreement or any disagreements are resolved.