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

IE Inspection Report No. 50-302/75-9

Licensee: Florida Power Corporation
3201 34th Street, South
P. O. 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, Unannounced

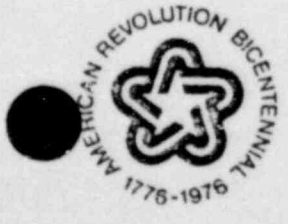
Dates of Inspection: July 1-3, 1975

Dates of Previous Inspection: June 17-20 and 24-26, 1975

Inspector-in-Charge: A. L. Cunningham, Radiation Specialist
Reactor Facilities Section
Radiological and Environmental Protection Branch

Principal Inspector: Frank Jape for 7-16-75
K. W. Whitt, Reactor Inspector Date
Facilities Section
Facilities Test and Startup Branch

Reviewed by: R. C. Lewis 7/25/75
R. C. Lewis, Senior Reactor Inspector Date
Facilities Section
Facilities Test and Startup Branch



SUMMARY OF FINDINGS

I. Enforcement Matters

A. Violations

No violations were identified during the inspection.

B. Infractions

No infractions were identified during the inspection.

C. Deficiencies

No deficiencies were identified during the inspection.

II. Licensee Action on Previously Identified Enforcement Matters

There are no previously identified enforcement matters requiring resolution.

III. New Unresolved Items

None

IV. Status of Previously Reported Unresolved Items

Not inspected.

V. Unusual Occurrences

None

VI. Other Significant Findings

None

VII. Management Interviews

A management interview was held on July 3, 1975. The scope and findings of the inspection were discussed. The following licensee personnel attended:

J. Alberdi - Project Manager
G. P. Beatty - Plant Superintendent
E. E. Froats - Manager, Site Surveillance
J. C. Clapp - Manager, Site Quality Surveillance
J. C. Hobbs, Jr. - Manager, Generation Testing
D. W. Pedrick - Compliance Engineer
R. W. Slater - Quality Engineer
O. D. Perkins - Health Physics Supervisor
P. McGee - Assistant Plant Superintendent

DETAILS I

Prepared by: A. L. Cunningham 07/25/
A. L. Cunningham, Environmental Scientist
Reactor Facility Section
Radiological and Environmental Protection Branch
Date

Dates of Inspection: July 1-3, 1975

Reviewed by: A F Gibson 7/25/7
A. F. Gibson, Senior Health Physicist
Reactor Facility Section
Radiological and Environmental Protection Branch
Date

1. Individuals Contacted

S. W. Slater - Quality Engineer
J. Johnson - Environmental Scientist
J. Jenkinson - Supervisor of Operations
R. Carr - Plant Chemist (Units 1 & 2)
J. Alberdi - Project Manager

2. Objectives

The objectives of the inspection were as follows: (1) Evaluation of licensee's compliance with the environmental protection requirements and commitments during plant construction; (2) Assessment of preoperational baseline environmental program.

3. Scope of Inspection

The following items were included in the inspection: (1) review of the environmental protection program; (2) review of the status of the preoperational environmental surveillance program; (3) review of the construction schedule; (4) discussion of the percolation ponding system; (5) review preparations for implementation of draft Appendix B Technical Specifications and procedures.

4. Preoperational Environmental Studies

Preoperational biological surveillance and monitoring program results were summarized in the final report to the Interagency Research Committee. The inspector reviewed the report which stressed those areas where the existing environment and the power plant interact. Emphasis was placed on baseline studies of biological communities in the intake and discharge canals and areas of the estuary under influence of the plant. The inspector also reviewed and discussed with a licensee representative supplementary reports including predicted thermal plume studies for Units 1, 2 and 3. Inspection revealed that the preoperational baseline studies were apparently completed. There were no questions concerning this inspection item.

5. Environmental Protection Program

At the time of inspection, construction of Unit 3 was approximately 95% complete. Review and discussion of the construction schedule revealed that there were no additional construction activities which would adversely affect either the terrestrial or aquatic environments.

6. Percolation Ponding System

The site percolation ponding system was inspected. The system consists of two, one-million gallon capacity holding ponds and has been operational for one year. The ponds are designed to accomodate chemical wastes generated from Units 1, 2 and 3, and the effluent from the site sewage treatment plant. A licensee representative stated that cleaning and flushing of the condensate and feedwater systems of Unit 3 are scheduled for mid-September, 1975. Wastes generated from this operation will be diverted to the ponding system. The licensee representative also stated that test wells which surround the ponds are monitored on a monthly basis to assure compliance with applicable permits and water quality criteria. Fresh ground water in the area should not be affected by the ponding system based on its location in relation to the direction of groundwater flow into the Gulf of Mexico. There were no questions concerning this inspection item.

7. Procedures

Preparations for implementation of proposed Appendix B Technical Specifications were reviewed. Inspection revealed that detailed written procedures, including applicable check-off lists and instructions, required for implementation of the proposed Technical Specifications had not been developed except for TS-2.3.1 (Total Residual Chlorine

Monitoring). The inspector stressed the importance of procedures and suggested that such procedures be prepared and approved for all Appendix B Technical Specifications prior to the projected fuel loading date. There were no further questions concerning the inspection item.

8. Operational Environmental Protection Program

Proposed implementation of the environmental protection program defined in the draft Technical Specifications was discussed. A licensee representative stated that on-site thermal and chemical monitoring - draft T.S.-2.0, would be implemented by operations. Off-site biological and water quality monitoring would be managed and implemented by the corporate office environmental staff. He also stated that use of a site environmental coordinator was being considered; however, this item has not been finalized.

9. Site Inspection

The plant site, including the intake and discharge canal dikes, were inspected . Inspection revealed no apparent adverse effects from construction activities. Site drainage and erosion control mangement was inspected and discussed with a licensee representative. There were no questions concerning this item.