



UNITED STATES
 NUCLEAR REGULATORY COMMISSION
 REGION II
 101 MARIETTA STREET, N.W.
 ATLANTA, GEORGIA 30303

Report No. 50-302/79-08

Licensee: Florida Power Corporation
 P. O. Box 14042, Mail Stop C-4
 St. Petersburg, Florida 33733

Facility Name: Crystal River Unit 3

Docket No. 50-302

License No. DPR-72

Inspection at Crystal River site, Crystal River, Florida

Inspector:

D. R. Quick
 D. R. Quick

3/22/79
 Date Signed

H. C. Dance / for
 G. A. Belisle

3/23/79
 Date Signed

Approved by:

H. C. Dance
 H. C. Dance, Section Chief, RONS Branch

3/23/79
 Date Signed

SUMMARY

Inspection on February 12, 1979 - February 16, 1979

Areas Inspected

This routine unannounced inspection involved 64 inspector-hours onsite in the areas of spent fuel rack enlargement, housekeeping/cleanliness program, review of plant operations, review of IE Bulletins, review of previous enforcement, unresolved and followup matters, and a plant tour.

Results

Of the six areas inspected, no apparent items of noncompliance or deviations were identified in five areas; one apparent deviation was found in one area. Deviation - Failure to control and provide a fire door on the record storage vault (79-08-01, Paragraph 3).

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DETAILS

1. Persons Contacted

Licensee Employees

- *G. P. Beatty, Jr., Nuclear Plant Manager
- *J. Cooper, Jr., Nuclear Compliance Engineer
- *G. M. Williams, Nuclear Compliance Plant Engineer
- *G. R. Westafer, Maintenance Superintendent
- *H. B. Lucas, Administrative Supervisor
- *P. F. McKee, Technical Services Superintendent
- *W. R. Nichols, Operations Superintendent
- Q. B. DuBois, Director, Quality Programs
- C. G. Barbour, Quality Programs
- J. V. Vattamattam, Spent Fuel Rack Project Engineer
- J. Hessinger, Nuclear Compliance Engineer
- P. D. Breedlove, Office Manager

Other licensee employees contacted during this inspection included three technicians, 4 operators, and 3 office personnel.

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on February 16, 1979, with those persons indicated in Paragraph 1 above. This included discussion of a deviation item dealing with the record storage vault fire door (See paragraph 3). The licensee indicated corrective action would be taken. The licensee also made a commitment to have cleanliness standards incorporated into all maintenance procedures by April 23, 1979, (See paragraph 5).

3. Licensee Action on Previous Inspection Findings

- a. (Closed) Deficiency 78-08-01 (Paragraph 1-6 of RII Report 78-08): Inadequate fire rating on record storage vault doors. The inspector reviewed this item with the licensee to insure that action taken was in accordance with corrective action indicated in the licensee's letters of response dated May 9, 1978, and May 31, 1978. This review indicated that two new doors (Class A, 3 hour fire rating) had been installed on the record storage vault. However, upon verification of the installation of the doors the inspector determined that one of the new doors only had a fire rating of 1 1/2 hours rather than the required 3 hour rating. The fire rating nameplate on the inadequate door was still covered with tape at the

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time of this inspection. In addition, this door was wedged fully open with a book and was left unattended. The door in question is ineffective as a fire barrier due to being blocked open and having only a 1 1/2 hour fire rating. This item is a Deviation (79-08-01).

- b. (Closed) Deficiency 78-31-01 (Paragraph 5.d of RII Report 78-31): Failure to follow clearance order procedures. Implementation of the corrective actions indicated in the licensee's response letter, dated February 2, 1979, has been completed. The inspector has no further questions at this time.
- c. (Closed) Unresolved Item 78-06-02 (Paragraph 3 of RII Report 78-06): Record retention discrepancies with respect to Technical Specification time requirements. Document Control Procedure DC-104 has been revised to require retention of all operating Quality Assurance records for the life of the plant. The inspector has no further questions at this time.

4. Unresolved Items

Unresolved items are matters about which more information is required to determine whether they are acceptable or may involve noncompliance or deviations. New unresolved items identified during this inspection are discussed in paragraph 5.

5. Facility Housekeeping/Cleanliness Controls

The inspector toured the facility, reviewed applicable Administrative Instructions, and talked with licensee personnel to ascertain whether adequate housekeeping and cleanliness controls have been implemented in accordance with Section 5.2.10 of ANSI N18.7-1976 to assure that the quality of safety related systems is not degraded. The following two items of concern were identified by the inspector and had also been identified by the licensee. Corrective action is being implemented in both areas at this time.

- a. Administrative Instruction AI-500 places responsibility for general cleanliness in all operating areas of the plant with the Shift Supervisor. However, currently there are no implementing procedures in existence which establish acceptable standards or prescribe inspection frequency for the various plant areas. The licensee is currently developing a procedure, as a result of an internal corporate management memo, which will establish plant areas, acceptable criteria, responsibility, and inspection frequency for general cleanliness in accordance with ANSI N18.7-1976. The licensee stated that this procedure would be developed and implemented by July 1, 1979.

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- b. Administrative Instruction AI-600 places responsibility for cleanliness during maintenance functions with the maintenance supervisor. However, currently the various maintenance procedures do not have acceptable cleanliness standards incorporated into them in accordance with ANSI N18.7-1976. This was also recognized by the licensee and all maintenance procedures are currently being revised to include these requirements. The licensee stated that these revisions will be completed by April 23, 1979.

These two items will be designated as Unresolved Item 79-08-02 and will be reinspected during future inspections.

6. Licensee Action on Previously Identified Open Items

The inspector reviewed licensee action on previously identified items of concern through discussions with licensee personnel, and verification of the implementation of applicable corrective action. The status on these items is indicated below:

- a. (Open) IFI 77-17-03 Diesel Annunciators (See RII Reports 77-17, 78-10, and 78-21). The inspector reviewed modification packages MAR 77-7-33 and MAR 77-7-33A which had been completed by the licensee. However, the question of whether an adequate functional test of the modification had been performed was raised by an NRC Quality Assurance inspector and identified as an apparent item of noncompliance in RII report 79-04.
- b. (Open) IFI 77-18-04 Heat Tracing Annunciators (See RII reports 77-18, and 78-21). The modification package for this item, MAR 77-2-27, has not been released by corporate engineering as of this inspection.
- c. (Closed) IFI 78-21-04 Procedure Review Record Copy Discrepancies. This item was originally identified during inspection 78-21 and dealt with the fact that control room copies of procedure review records differed from that contained in Administrative Instruction AI-400. The difference pertained to the title below one signature block on the form. The inspector verified that the forms presently in use are the correct version and do agree with AI-400. The inspector has no further questions at this time.
- d. (Open) IFI 78-23-02 Decay Heat Sea Water Heat Exchanger Water Box Crack (See paragraph II-8 of RII Report 78-23). The inspector reviewed the status of the permanent solution to this crack problem. A new water box, fabricated of carbon steel, has been received and is stored in the heat exchanger room. Installation will be accomplished when cathodic protection system is received. The temporary fix on the faulty water box is still effectively maintaining water box integrity at this time.

- e. (Open) IFI 78-24-01 Control Rod Coupling Procedure Revision (See paragraph I-5 of RII Report 78-24). Revisions to the coupling procedures are presently underway and will be completed and available for inspector review prior to the scheduled refueling shutdown in April, 1979.
- f. (Open) IFI 78-24-03 Fire Retardant Materials Evaluation (See paragraph II-5 of RII Report 78-24). The licensee has elected to replace all wooden scaffolding and other necessary wooden maintenance materials with fire retardant impregnated wood prior to the start of the April, 1979, outage. Building Services are presently in the process of removing all non-treated wood from the plant. Acquisition of ladders fabricated from a fire retardant material is still under evaluation. The licensee is presently considering fiberglass.

7. Review of Plant Operation

As part of a general review of plant operations, the inspector reviewed the following areas for noncompliance with Technical Specifications and Administrative requirements:

- Operational Logs
- Short Term Instructions
- Equipment Clearance Order Log
- Control Room Operations
- Plant Tour

a. Review of Logs and Operating Records.

The inspector reviewed the following logs and operating records for the period December 1978 - February 1979, to ascertain whether operation was in conformance with Technical Specifications 6.10.1 and Administrative Instructions AI 500, Conduct of Operations.

- Control Operators Log
- Shift Supervisors Log
- Auxiliary Building Log
- Operating Daily Surveillance Log
- Control Complex and Auxiliary Building Log Sheets
- Temporary Instruction Book

No discrepancies were identified.

b. Facility Tour and Observation of Control Room Activities.

The inspectors toured the auxiliary building, the turbine building and the control room. During the tour of the auxiliary building particular attention was paid to radiation controls being properly

established, monitoring equipment recording as required and general plant housekeeping. During the tour of the turbine and auxiliary buildings the tags from four clearance orders listed in the clearance log were certified to be correctly hung, sixteen seismic restraints were observed for proper oil reservoir level and settings, and the positions of five motor operated valves were determined. During the tour of the control room the positions of these five motor operated valves were verified, reasons for various annunciators were discussed with operating personnel and control room manning was verified to be in conformance with the technical specifications on two shifts.

No discrepancies were identified.

c. Management Plant Tours

During this review of operations the inspector determined that licensee management did not have an established program to provide for periodic tours of the facility by management personnel. The inspector brought the concerns and recommendations presented by IE Circular 76-07 to the attention of the licensee. This circular addressed, in part, plans or programs to provide licensee management positive assurance that members of the operating and support staff are complying with safety procedures in effect. One of the recommendations in the circular was to establish random backshift and weekend visits, by management and supervision, to monitor and assess operations including crew manning and performance, equipment status and plant conditions. The licensee acknowledged the inspector's comments and stated they would develop such a program. The inspector will follow the progress of this program development during future inspections (IFI79-08-03).

8. High Density Spent Fuel Racks

The inspector reviewed the licensee's program for providing additional spent fuel storage capacity within the existing spent fuel pools. Documentation reviewed included the approval of the contractor engineering drawings by the licensee; the purchase order from the licensee to the contractor; the quality assurance program supplied to the licensee by the contractor; and the results of an inspection report of the high density spent fuel racks performed by the contractor, the licensee, and the fabricator.

The contractor and the licensee will be inspecting the high density spent fuel racks during fabrication as stated in the quality assurance program plan. Fabrication is dependent upon these inspections, since these inspections are hold points, and additional fabrication cannot proceed unless the inspection results are satisfactory.

The licensee is in the process of preparing a receiving inspection procedure for high density spent fuel racks that will be implemented upon receiving the racks on site from the fabricator. The expected completion date of this procedure is in March/April of 1979. Until such time as fuel rack installation is completed and reviewed, this item will remain open and be subject to further inspection (79-08-04).

9. Review of IE Circulars and Bulletins

The inspector reviewed the contents of IE Bulletin 79-01 with the licensee. This Bulletin establishes time and reporting requirements to be met in connection with the review of "Environmental Qualification of Safety Related Electrical Equipment" in accordance with IE Circular 78-08. The licensee acknowledged the inspector's comments and stated they would comply with the requirements of the bulletin. The status of the above review is as follows:

- a. Most of the existing documentation pertaining to qualification of components has been received from Gilbert Associates, who performed the review.
- b. The licensee is presently evaluating this documentation with respect to the qualification requirements outlined in IE Circular 78-08.
- c. There were no conclusive results available at the time of this inspection.

The inspector will follow the progress of this evaluation during future inspections.

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