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

IE Inspection Report No. 50-302/75-17

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: A3/B1

Location: Crystal River, Florida

Type of License: B&W, PWR, 2452 Mwt, 855 Mwe

Type of Inspection: Routine, Unannounced, Construction

Dates of Inspection: November 5-7, 1975

Dates of Previous Inspection: September 29-30 - October 1, 1975

Inspector-in-Charge: T. E. Conlon, Reactor Inspector
Engineering Support Section
Reactor Construction and Engineering
Support Branch

Accompanying Inspectors: F. U. Bower, Reactor Inspector
Engineering Support Section
Reactor Construction and Engineering
Support Branch

Other Accompanying Personnel: None

Principal Inspector: E. J. Vallish 12-1-75
E. J. Vallish, Reactor Inspector Date
Projects Section
Reactor Construction and Engineering
Support Branch

Reviewed by: J. C. Bryant 12-1-75
J. C. Bryant, Section Leader Date
Projects Section
Reactor Construction and Engineering
Support Branch

SUMMARY OF FINDINGS

I. Enforcement Items

None

II. Licensee Action on Previously Identified Enforcement Items

Infractions

75-12-A1(II) Control of Special Processes

This noncompliance item is deleted from the Reactor Construction and Engineering Support Branch reports and will be added to the Reactor Operations and Nuclear Support Branch reports.

III. New Unresolved Items

None

IV. Status of Previously Reported Unresolved Items

75-12/1 Hanger and Support Documentation

Documentation and control of deviations to hanger and support installations is now defined. This item is closed. (Details I, paragraph 2)

74-14/2 Seismic Qualification of the Control Rod Drive Control System AC Breaker Cabinets (10 CFR 50.55(e) Item)

Field work and QC documentation is complete and acceptable. This item is closed. (Details II, paragraph 2)

75-7/1 Procurement Records for Control Rod Drive AC Breaker Cabinet

Required documents have been provided and approved. This item is closed. (Details II, paragraph 3)

V. Design Changes

None

VI. Unusual Occurrences

None

VII. Other Significant Findings

None

VIII. Management Interview

An exit interview was held with Mr. E. E. Froats, Manager, Site Surveillance (Nuclear), and other members of the staff to discuss the inspection findings as reported herein. The licensee was informed that no noncompliances or new unresolved items resulted from this inspection. The licensee acknowledged the findings.

DETAILS I Prepared by: T. E. Conlon 11-28-75
Date

T. E. Conlon, Reactor Inspector
Engineering Support Section
Reactor Construction and Engineering
Support Branch

Dates of Inspection: November 5-7, 1975

Reviewed by: L. L. Beratan 12-1-75
Date

L. L. Beratan, Section Leader
Engineering Support Section
Reactor Construction and Engineering
Support Branch

1. Persons Contacted

a. Florida Power Corporation (FPC)

E. E. Froats - Manager, Site Surveillance
D. Bienkowski - QA Engineer
J. Alberdi - Project Manager

b. Contractor Organizations

(1) J. A. Jones Construction Company (JAJ)

J. Amundson - QC Supervisor

(2) Babcock and Wilcox Construction Company (BWCC)

J. R. McGill - QC Supervisor

2. Hanger and Supports Documentation (75-12/1)

The inspector reviewed Procedure FPC-W-48 to verify that a method for control of field deviations to hanger/support design sketches were incorporated. The revision included instructions for identifying, documenting and approval. This item is closed.

3. Primary Loop Drain Line

These drain lines attach to the primary loop at the low point in the hot and cold legs to each of the two steam generators. Each drain line is equipped with two (1 1/2-inch manually operated, series mounted) valves. The valves were purchased from Velan Valve Corporation on Purchase Order PR3-1390 which invokes Gilbert Associates, Inc., (GAI) Specification RO-2951.

The inspector examined the vendor QC documentation at the site and compared these records with the requirements of Specification RO-2951. The records contained:

a. NDE reports (RT, UT and PT)

b. Chemical and physical certifications

c. ASME NPV-1 data sheet

d. Vendor certification of compliance

e. Hydrostatic test reports

The inspector conducted a visual examination of the drain line installation and selected one open butt joint in each of the four lines for review of weld data sheets, isometric drawings and radiography. The joints selected were:

Isometric	Field Weld
CR3-P-8064-RC-1	No. 9
8065	No. 11
8066	No. 7
8067	No. 8

Within the areas examined, there were no items of noncompliance identified.

DETAILS II

Prepared by: F. Bower 11-18-75
F. U. Bower, Reactor Inspector Date
Engineering Support Section
Reactor Construction and
Engineering Support Branch

Dates of Inspection: November 5-7, 1975

Reviewed by: L. L. Beratan 11-19-75
L. L. Beratan, Section Leader Date
Engineering Support Section
Reactor Construction and
Engineering Support Branch

1. Persons Contacted

Florida Power Corporation (FPC)

E. E. Froats - Manager, Site Surveillance
D. Olsen - QA Auditor, Instrumentation
P. King - QA Auditor, Electrical
R. C. Bonner - Supervisor, Electrical Construction
R. Huesman - Supervisor, Instrument Engineer

2. Seismic Qualification of the Control Rod Drive Control System AC Breaker Cabinets (10 CFR 50.55(e) Item) (Ref. 74-14/2)

Examination of the completed modification work and related QC records has shown that the installed components now meet all requirements identified as applicable. This item is closed.

3. Procurement Records for Control Rod Drive AC Breaker Cabinet (Ref. 75-7/1)

The licensee's A&E consultant re-examined the safety category classification of the subject equipment and determined that it was more correctly classified as Level II than Level III. The equipment was then qualified to the new safety level by confirming that identical equipment had been analyzed and certified by a third party testing agency (Alliance Research Center). The QC record is now complete and this item is closed.

4. Primary System Pressure Instrument Sensor Lines

The sensor lines for pressure transmitters 3A-PTI and 3B-PT1 were examined as installed to determine the degree of adherence to the applicable QC procedure and the construction drawings. Several

deviations from the construction drawing were noted that were found necessary due to field conditions. Discussion with the staff indicated that the installation drawings for the subject lines would be revised to represent the "as-built" conditions. These revised drawings would be checked to confirm that all requirements were met. This engineering work was reported to be in progress but was lagging behind the installation program. During the interim period, QC inspection and resultant documentation was being postponed since a meaningful inspection could not be performed until the prior activities were complete.

The staff indicated that this inspection sample was representative of the status of all safety related sensor lines which means that none of those system of interest to IE:II is complete. Due to this incomplete status these items will be the subject of a future inspection.