



UNITED STATES  
 NUCLEAR REGULATORY COMMISSION  
 REGION II  
 101 MARIETTA ST., N.W., SUITE 3100  
 ATLANTA, GEORGIA 30303

Report Nos: 50-250/83-12 and 50-251/83-12

Licensee: Florida Power and Light Company  
 9250 West Flagler Street  
 Miami, FL 33101

Docket Nos: 50-250 and 50-251

License Nos: DPR-31 and DPR-41

Facility Name: Turkey Point

Inspection at Turkey Point site near Homestead, Florida

Inspector:

*W. P. Kleinsorge*  
 W. P. Kleinsorge

*June 20, 1983*  
 Date Signed

Approved by:

*J. J. Blake*  
 J. J. Blake, Section Chief  
 Engineering Programs Branch  
 Division of Engineering and Operational Programs

*6/22/83*  
 Date Signed

SUMMARY

Inspection on June 1 - 3, 1983

Areas Inspected

This routine, unannounced inspection involved 19 inspector-hours on site in the area of inservice inspection (ISI).

Results

No violations or deviations were identified.

## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*J. K. Hays, Plant Manager-Nuclear
- \*T. Essinger, Assistant Manager QA-PTP
- \*H. E. Hartman, ISI
- \*J. D. Ferrare, QAE
- \*A. G. Abbott, Startup
- \*J. E. Moore, Startup

Other licensee employees contacted included technicians and office personnel.

#### Other Organization

- \*D. E. Bogen, ANII Factory Mutual

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on June 3, 1983, with those persons indicated in paragraph 1 above. The inspector described the areas inspected and discussed in detail the inspection findings listed below. No dissenting comments were received from the licensee.

(Open) Unresolved Item 251/83-12-01: "ISI of Safe End-Welds" - paragraph 5a(1).

(Open) Inspector Followup Item 251/83-12-02: "ISI of Shell Clamp Restraints" - paragraph 5a(2).

(Open) Inspector Followup Item 251/83-12-03: "Missing Thermometer ID" - paragraph 5 b(2).

### 3. Licensee Action on Previous Enforcement Matters

Not inspected.

### 4. Unresolved Items

Unresolved items are matters about which more information is required to determine whether they are acceptable or may involve violations or deviations. New unresolved items identified during this inspection are discussed in paragraph 5a(1).

## 5. Inservice Inspection (ISI) (Unit 4)

The inspector examined documents, activities and records as indicated below to determine whether Inservice Inspection (ISI) was being conducted in accordance with applicable procedures regulatory requirements and licensee commitments. The applicable code for ISI is ASME B&PV Code Section XI, 1974 edition with addenda through summer 1975.

### a. Review of Program (73051)

The inspector reviewed the FP&L inspection program plan for the below listed components to determine whether description of areas to be examined; examination category for each area; method of inspection for each area; extent of examination for each area; and justification for exemptions are consistent with procedures, commitments and code requirements.

#### COMPONENTS

Pressurizer  
Regenerative Heat Exchangers (I, II, & III)

- (1) With regard to the inspection above, the inspector noted safe-end welds on Westinghouse drawing 718J531, "Pressurize Upper Head Assembly and Details". ASME B&PV Code Section XI Tables IWB 2500 and 2600, Examination Category B-F, requires volumetric and surface examination of pressure retaining dissimilar metal welds in the pressurizer. At the time of this inspection it could not be determined whether those safe-end welds on drawing 718J531 were addressed in the ISI program. The licensee indicated they would look further into the matter. Pending NRC resolution, this matter will be identified as unresolved item 251/83-12-01: "ISI of Safe-end Welds".
- (2) With regard to the inspection above, the inspector noted that of the three regenerative heat exchanger shell clamp restraints shown on Inservice Inspection Plan Drawing, C-1-ISI-D-04-A6, only RGX-(I)-CR is addressed in the ISI plan. "Turkey Point Plant Unit 4 1976 Inservice Nondestructive Examination Summary Table" listed the following remarks after the entry for RGX-(I)-CR: "Examination Performed to Comply with Technical Specifications Commitments." At the time of this inspection it could not be determined whether the above indicated commitment applied to one, two, or three shell clamp restraints. Pending NRC resolution, this matter will be identified as Inspector followup item 251/83-12-02: "ISI of Shell Clamp Restraints".

## b. Data Review and Evaluation (73755B)

## (1) System Pressure Test

Records of the below listed pressure tests were reviewed and compared with the applicable procedures and the code in the following areas:

- Test conditions of pressure and temperature.
- Test condition holding time.
- Rate of temperature and pressure increase.
- Pressure and/or temperature measuring instrumentation.
- Source of detected leakage located, evaluated and corrective measures taken.
- Gauges calibration prior to test.

PRESSURE TESTS

A-Steam Generator - Secondary Side  
 B-Steam Generator - Secondary Side  
 C-Steam Generator - Secondary Side

## (2) NDE Records

The inspector reviewed the NDE records for all ISI examinations of the below listed reactor vessel welds to determine whether the method, extent and technique of examination was consistent with program and procedures; examination data was within acceptable acceptance criteria; recording evaluation and disposition of finding was consistent with program, procedure and code requirements; ISI results compared with previous results; and method of NDE was sufficient to determine full extent of indication and acceptance.

<u>EXAMINATION PLAN ITEM NO.</u>	<u>WELD IDENTIFICATION</u>	<u>COMPONENT &amp; WELD DESCRIPTION</u>
000005	RPV-A	Reactor Vessel to Upper Flange
000006	RPV-C.H-E	Reactor Vessel Closure Head to Flange

With regard to the inspection above, the inspector noted that the thermometer used to determine metal temperature for the examination of weld RPV-A (April 11, 1983), was omitted from the examination record. Pending correction of the above omission this matter will be identified as inspector followup item 251/83-12-03: "Missing Thermometer ID".

- (3) The inspector reviewed the NDE records for the ISI examinations of the below listed pipe welds to determine whether the examination unit calibration data sheets show any major deviations between initial and final calibrations; collected examination data and any recordable indications are properly recorded to permit accurate evaluation and documentation; evaluation of examination data was performed by a Level II or Level III examiner; evaluation of examination data complies with the procedure; evaluation of indications (if applicable) complies with the criteria of the NDE procedure and ASME Section XI, and incomplete examinations and results are repeated to permit full evaluation (if applicable).

<u>WELD NO.</u>	<u>SIZE</u>	<u>SYSTEM</u>
12"-RC-19-2	12"	Reactor Coolant
12"-RC-19-3	12"	Reactor Coolant
3"-CH-5-40	3"	Chemical and Volume Control
3"-CH-2-12	3"	Chemical and Volume Control
3"-CH-2-16	3"	Chemical and Volume Control
26"-MSA-NF-2	26"	Main Steam
26"-MSB-NF-2	26"	Main Steam
26"-MSC-NF-2	26"	Main Steam

Within the areas examined no violations or deviations were identified.