



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

Report No. 50-250/81-14 and 50-251/81-14

Licensee: Florida Power and Light Co.
 P. O. Box 529100
 Miami, FL 33152

Facility Name: Turkey Point

Docket Nos. 50-250 and 50-251

License Nos. DPR-31 and DPR-41

Inspection at Turkey Point site near Homestead, Florida

Inspector: A. R. Herdt 7/14/81
 J. Blake Date Signed

Approved by: A. R. Herdt 7/14/81
 A. R. Herdt, Section Chief Date Signed
 Engineering Inspection Branch
 Engineering and Technical Inspection Division

SUMMARY .

Inspection on June 23-26, 1981

Areas Inspected

This routine, unannounced inspection involved 28 inspector-hours onsite in the areas of 1E Bulletin 80-08; Licensee Action on Previous Inspection Findings; Preparations for Unit 3 Steam Generator Outage; Reactor Vessel 10-year ISI (Unit 3), and Maintenance Welding Activities.

Results

Of the five areas inspected, no violations or deviations were identified.

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REPORT DETAILS

1. Persons Contacted

Licensee Employees

H. E. Yaeger, Site Manager
*J. K. Hays, Nuclear Plant Manager
*S. M. Feith, Quality Assurance
*R. E. Tucker, Quality Assurance
*T. Essinger, Quality Assurance
*D. W. Jones, Quality Control
*J. Olsonoski, Maintenance
*M. J. Powell, Maintenance
G. Gram, Construction Manager
M. Crisler, Construction QA
F. Carr, ISI Coordinator

Other licensee and contractor employees contacted included ISI Examination Personnel, QA & QC technicians.

Other Organizations

*W. Clayton, Southwest Research Institute (SwRI)

NRC Resident Inspectors

*A. Ignatonis, Resident Inspector
*W. C. Marsh, Resident Inspector

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on June 26, 1981 with those persons indicated in paragraph 1 above. The inspector discussed the item below and informed the Plant Manager that there was a concern over how much management attention was being placed on correcting problems in the Welding Control Area.

Unresolved Item 50-250,251/81-14-01 - Management attention to corrective action in welding control problem areas.

3. Licensee Action on Previous Inspection Findings

(Closed) Infraction (50-250/76-17-05; 50-251/76-17-05) Inadequate Weld Rod Storage Procedure. This item was reinspected and addressed in RII Inspection Report Nos. 77-08 and 77-13. As stated in RII Report No. 77-13 the



licensee's procedure for Control of Welding Materials is adequate. The Inspector reviewed this procedure, Administrative Procedure 0190.63 and discussed the implementation of the procedure with the site QA Representatives. Based on the fact that an adequate procedure is in effect this item is closed. The implementation of the procedure is of continuing concern and is discussed further in Paragraph 5 of this report.

(Closed) Infraction (50-250/79-04-01; 50-251/79-04-01) Welding Material Control. The inspector reviewed the Licensees response to this item of noncompliance. This item was corrected at the time of the response by proper implementation of the welding control procedure.

(Closed) Infraction (50-250/80-20-01; 50-251/80-17-01) Failure to follow Welding Electrode Procedure Requirements. The inspector reviewed the licensees response to this item of noncompliance. The inspector noted that the licensee's QA Audit No. QAO-PTP-80-08-305 conducted from July 28 - August 4, 1980, addressed the same concerns. This audit was closed out satisfactorily on March 2, 1981. Therefore, this item is closed. A concern about how permanent the corrective action was is discussed in paragraph 5.

(Closed) Unresolved Item (50-250/79-25-01; 50-251/79-25-01) Steam Generator Shipping and Storage Arrangement. This item was concerned with the fact that the licensee's process sheet No. 79-012, Rev. 1 "Steam Generator Lower Assembly Receipt, Handling and Storage" showed a Nitrogen purge arrangement while the generators were shipped and stored with a Nitrogen Blanket. The inspector was informed by the licensee that Process Sheet 79-012 was cancelled and replaced with the instruction to store in accordance with the manufacturer's instructions, which in this case included maintenance of the Nitrogen Blanket. This item is closed.

(Open) Unresolved Item (50-250/79-25-02; 50-251/79-25-02) Overexpanded Tubes. This item concerned the fact that the manufacturer's documentation for the steam generator lower assembly reported some overexpanded and some plugged tubes. The inspector that opened this item had asked to review the engineering analysis for the acceptance or the reported conditions. The licensee's steam generator program QA Representative stated that the report was on file in the Licensee's General Office but that he would have a copy forwarded to the site for review during a future inspection.

4. Unresolved Items

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



5. Maintenance Welding

As a part of the review of the corrective actions for the previous inspection findings, discussed in Paragraph 3, the inspector reviewed the licensee's QA Audit and Surveillance Programs.

The inspector reviewed the last two audits with QA personnel. The latest audit had been conducted from May 15, 1981 through June 15, 1981 and was still incomplete in that a formal exit interview had not been conducted. (The Audit Report was unsigned and in draft form.) This audit, No. QAO-PTP-81-05-346, contained a significant number of findings in the welding control area. A review of previous audits showed that Audit No. QAO-PTP-80-08-305 conducted from July 28, 1980 through August 4, 1980 also contained a significant number of findings. The inspector reviewed the audit responses and the QA surveillance records which documented the corrective actions to the 1980 Audit. The corrective actions appeared to be comprehensive and, including procedure changes, took until March 2, 1981 to complete and close out the audit.

After the review of the two audits and the three previous inspection findings the inspector was left with the impression that the licensee's management attention only addressed doing enough to correct identified problems without ensuring that the correction was programmatic enough to withstand personnel changes.

The inspector closed out the inspection items in Paragraph 3 because the specific items addressed had in fact been corrected even though it appears that the program has had a relapse since the corrective action.

The latest audit (No. QAO-PTP-81-05-346) not only described the specific audit findings, it also contained an assessment of the welding program which points out the repeat nature of the findings and expresses the opinion that management attention and training are the two ingredients which appear to be missing from the Turkey Point Welding Program.

The inspector agreed with this assessment and informed the plant management that their reactions to this audit would be reviewed by the NRC and that a new unresolved item concerning corrective action would be opened in this report. This is unresolved item (50-250/81-14-01; 50-251/81-14-01,) Management attention to corrective action in welding control problem areas.

6. Reactor Pressure Vessel (RPV) - Inservice Inspection (ISI) - (Unit 3)

The Unit 3 RPV was being ultrasonically inspected by Southwest Research Institute (SwRI). The inspection program included the inspection requirements of the 1974 & 75 edition of ASME B&PV Code, Section XI and to the extent practicable the requirements of Draft Regulatory Guide 1.150,



"Ultrasonic Testing of Reactor Vessel Welds During Preservice and Inservice Examinations." (The use of this draft reg. guide was discussed in a meeting between FL&L, SwRI and NRC in the Region II offices on June 3, 1981.)

The inspector reviewed the SwRI program and procedures for this inspection. This review included a review of the SwRI tests comparing static versus dynamic calibration of the test system. This comparison was necessary because initial and periodic calibrations during vessel inspections are done statically (Transducer Hand held on Calibration Block) while the inspection is dynamic (Transducer mounted on manipulator sweeping the area of interest) The comparison tests were conducted at SwRI and showed no significant difference between static and dynamic calibrations.

The inspector observed calibration of the equipment on the morning of June 24, 1981 and at the change of inspection crews on the evening of June 24, 1981. The Inspector observed data collection and data review activities on June 24, and 25, 1981.

There were no violations or deviations noted during this area of inspection.

7. Steam Generator Repair Program - (Units 3 and 4)

The licensee has elected to repair the steam generators in Unit 3 now while the unit is down because of the turbine generator outage. (This is a change from the original schedule which showed Unit 4 commencing October 1981 and Unit 3 in October 1982.)

Necessary license modifications and NRC approvals were received during the time of this inspection.

The inspector met with FP&L Construction Management and Quality Assurance Personnel, as well as operations scheduling personnel, to review short and long term schedules and preparations for the steam generator repair activities.

There were no violations or deviations noted during this phase of the inspection.

8. IE Bulletin 80-08

The inspector reviewed the licensee's response to IEB 80-08 Serial L-80-423 dated December 30, 1980. This response was discussed with the licensee's QA and inspection personnel relative to the status of the Unit 3 penetrations for which records could not be found. The inspector was informed that all



of the questions regarding the Unit 3 penetrations except for Penetration No. 32 had been resolved by additional records research. Penetration No. 32 was scheduled for radiography in the near future. After completion of this radiography, FP&L will submit the promised update response to the Bulletin. The Bulletin remains open pending receipt of the additional response and review of the records by RII personnel.

