

U. S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

REGION IV

Report No. 50-382/79-05

Docket No. 50-382

Category A2

Licensee: Louisiana Power and Light Company
142 Delaronde Street
New Orleans, Louisiana 70174

Facility Name: Waterford Steam Electric Station, Unit No. 3

Inspection at: Waterford Site, Taft, Louisiana

Inspection conducted: April 30 and May 1-3, 1979

Inspectors: *[Signature]* 5/11/79
for E. E. Martin, Reactor Inspector, Engineering Support Section (Paragraphs 1, 2, 5 & 6) Date

[Signature] 5/11/79
for A. B. Beach, Reactor Inspector, Engineering Support Section (Paragraphs 3 & 4) Date

Reviewed: *[Signature]* 5/11/79
R. C. Stewart, Reactor Inspector, Projects Section Date

Approved: *[Signature]* 5/11/79
W. A. Crossman, Chief, Projects Section Date

[Signature] 5/11/79
R. E. Hall, Chief, Engineering Support Section Date

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Inspection Summary:

Inspection on April 30 and May 1-3, 1979 (Report No. 50-382/79-05)

Areas Inspected: Routine, unannounced inspection of construction activities related to a follow-up review of a previously identified item of noncompliance; review of QA/QC records and observation of activities related to care and maintenance of NSSS components and equipment; review of electrical procedures and QA/QC records; and observation of installation activities related to electrical cable tray and conduit supports. The inspection involved fifty-two inspector-hours by two NRC inspectors.

Results. No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

Principal Licensee Employees

- *T. Gerrets, Project QA Engineer
- *C. Chatelain, QA Engineer
- *J. Woods, QA Engineer
- *P. Jackson, Project Coordinator
- *R. Gautreau, Project Coordinator

Other Personnel

- *R. Harnett, QA Site Supervisor, Ebasco
- *J. Wills, Construction Superintendent, Ebasco
- *J. Crnich, Site Manager, Ebasco
- *W. Griggs, Senior Resident Engineer, Ebasco
- *R. Ronquillo, QA Manager, Gulf Engineering Co.
- *W. Lamson, Project QC Manager, Fischbach & Moore, Inc.
- *G. Baker, QA Supervisor, Waldinger Corp.
- *R. Yarges, Senior Lead Inspector, Waldinger Corp.
- *J. Britt, Site Manager, NISCO
- *D. Sarasin, Site Auditor, NISCO

The IE inspectors also interviewed other licensee and contractor personnel including members of the engineering and QA/QC staffs.

*denotes those attending the exit interview.

2. Licensee Action on Previous Inspection Findings

(Closed) Infraction (50-382/79-02B): Failure to Follow Approved Procedures During Initial Charge of Safety Related Batteries. The IE inspector reviewed Ebasco Instruction CMI-177, Revision 7; Fischbach & Moore Procedure CP-311, Revision 1; and NCR W3-1288. The procedures and instruction are in agreement with one another, and contain specific instructions on what must be recorded during the battery charge. The disposition of NCR W3-1288 was satisfactory. Training was provided for the personnel who participated in the March 23, 1979, battery charge. The IE inspector reviewed the QA/QC records for the March 23, 1979, battery charge on Class IE batteries 3A-S, 3B-S, and 3AB-S. No items of noncompliance were identified. This item is considered closed.

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3. Site Tour

The IE inspectors walked through various areas of the site to observe construction activities in progress. Particular attention was given to the housekeeping procedures being followed in the various areas. The equipment and areas inspected included the coolant charging pumps and various elevations in the Reactor Auxiliary Building, the reactor vessel cavity, and the fuel pool areas.

No items of noncompliance or deviations were identified.

4. Care and Maintenance of NSSS Components

The IE inspector observed activities and reviewed records relative to the care and maintenance of NSSS components. Maintenance and surveillance records for the steam generators were observed to be in accordance with CMI-32, "Care and Maintenance Instructions for the Steam Generators," and maintenance and surveillance records for the reactor coolant pumps were observed to be in accordance with CMI-137, "Care and Maintenance Instructions for the Reactor Coolant Pumps."

At the time of this inspection, the in-place storage requirements of CMI-31, "Care and Maintenance Instructions for the Pressurizer," were initiated. Procedures were being implemented to assure that the in-place storage requirements of CMI-106, "Care and Maintenance Instructions for the Safety Injection Tanks," were being followed. These activities and records will be reviewed during subsequent inspections to insure the continuity of maintenance for these components as the responsibility for the maintenance requirements change.

No items of noncompliance or deviations were identified.

5. Electrical Systems and Components

The IE inspectors reviewed the following procedures, records, and drawings for cable tray supports of Fischbach & Moore (F&M) and Waldinger Corp. (WC):

- (F&M) CP-203, Rev. 8, "Welding Carbon Steel Structures"
- (F&M) CP-206, Rev. 3, "Control for Welding Filler Material"
- (F&M) CP-305, Rev. 2, "Installation of Seismic and Non Seismic Cable Tray Supports"

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- (F&M) QCP-305, Rev. 3, "QCP for Installation of Seismic Supports"
- (WC) FQCP 10.2-3, Rev. 5, "Structural Support Hanger Fabrication and Installation"
- (WC) FQCP 8.2-1, Rev. 3, "Receipt, Storage, Issue, and Control of Weld Rod"
- (WC) QWP-1. "Weld Procedure"
- (WC) QWP-2, "Weld Procedure"

Ebasco Drawings Numbers:

1564-7345-R0

1564-7346-R1

G377-S02-R3

G377-S03-R3

G377-S14-R4

G321-S01-R8

G694-S05-R6

G695-S26-R4

- (F&M) Inspection Reports 333-1395 and 1397
 - (WC) Inspection Report for HEMF-5 (F-122 and F-205)
- Ebasco NCR W3-957 and DCN AS-54

The IE inspectors inspected the completed hangers C89, C94, C1395, and C1397 to determine if they complied with the design documents and had been fabricated and installed in accordance with the appropriate F&M or WC procedures as applicable. Cable tray support hangers C89 and C94 were Waldinger hangers that had originally been welded using E-6011 weld rod without preheat as indicated in Ebasco NCR W3-957, which was documented to the NRC as required by 10 CFR 50.55(e). This was identified as LP&L Significant Construction Deficiency No. 9. The repairs for the incorrect welds on these two hangers were complete and in accordance with DCN AS-54 which is the design change notice that provides the resolution to NCR W3-957.

The IE inspectors reviewed welder qualification records for both F&M and WC welders and made a tour of F&M and WC fabrication shops and weld rod control booths to observe weld rod control practices and records.

No items of noncompliance or deviations were identified.

6. Exit Interview

The IE inspectors met with the licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on May 3, 1979. The IE inspectors summarized the scope and findings of the inspection.

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