

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

REGION IV

Report No. 50-382/80-22

Docket No. 50-382

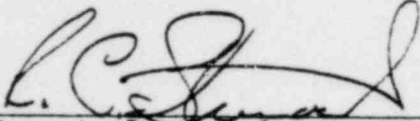
Category A2

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


Facility: Waterford Steam Electric Station, Unit No. 3

Inspection at: Waterford Site, Taft, Louisiana

Inspection conducted: September 2-5, 1980

Inspector:   
R. C. Stewart, Reactor Inspector, Projects Section

9/25/80  
Date

Approved:   
W. A. Crossman, Chief, Projects Section

9/25/80  
Date

Inspection Summary:

Inspection on September 2-5, 1980 (Report No. 50-382/80-22)

Areas Inspected: Routine, unannounced inspection of construction activities related to a follow-on review of previously identified unresolved items and a review of the instrumentation installation subcontractor's QA/QC program activities. The inspection involved twenty inspector-hours by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

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## DETAILS

### 1. Persons Contacted

#### Principal Licensee Employees

- \*T. Gerrets, QA Manager
- \*B. Brown, QA Engineer
- \*B. Toups, QA Engineer
- \*L. Bass, Project QA Manager
- R. Sandridge, QC Engineering Technician
- \*R. Gautreau, Project Coordinator
- \*G. Pittman, QA Engineer
- \*R. Bennett, QA Engineer
- \*J. Woods, QC Engineer (Operations)

#### Other Personnel

- R. Hartnett, QA Site Supervisor, Ebasco
- L. Stinson, Site QC Program Manager, Ebasco
- R. Ronquillo, QA Manager, Gulf Engineering (Gulf)
- J. Abbott, QA Supervisor, Mercury Company (Mercury)
- K. Gilkerson, QC Engineer, Mercury

The IE inspector 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

(Open) Unresolved (50-382/80-04A): Wet Film Thickness Measurements. During a prior IE investigation regarding alleged painting irregularities<sup>1/</sup>, it was observed by the IE inspector that the Sline QA/QC staff had withheld final acceptance of concrete painted surfaces within the Reactor Containment Building because wet film thickness measurements were not taken on a random basis during application of the Amercoat 110-AA final coating as specified by the Ebasco Specification LOU 1564.734, Section 6. This matter was considered unresolved by the IE inspector pending final disposition of the Sline Discrepancy Report No. 54, dated March 13, 1980.

During this inspection, the IE inspector was provided a copy of the testing method to be implemented by the Sline QC inspection staff in determining paint film thickness and adhesion. The tests are to be performed on the previously painted concrete surfaces as indicated on the attachments to the Sline procedure and on a random basis as often as necessary to assure adequate sampling representation.

This item will remain unresolved pending the IE inspector's review of the completed work.

3. Instrumentation - Components and Systems

During this inspection, the IE inspector conducted a limited review of Mercury's QA/QC program/procedures and observation of work activities. Mercury, under subcontract to Ebasco, is the principle contractor for the installation of pneumatic and electronic instrumentation, including related cabinets, racks, panels, instrument assemblies, piping, and tubing as necessary for ultimate plant instrumentation requirements. Current Mercury work activities involve the installation of tubetracks and tubing in the Reactor Building and the fabrication of instrument assemblies in the Mercury fabrication shop.

a. QA/QC Program/Procedures Review

The IE inspector reviewed the Ebasco/Mercury contract document W3-NY-15, dated August 15, 1978, in conjunction with the Mercury Quality Assurance Manual and implementing procedures. The procedure review was limited to the following Mercury procedures:

QCP-3020, "QA Program Audit," Revision 2, April 6, 1979

QCP-3040, "Training, Examination, Qualification and Certification of Visual Examination Personnel,"  
Revision 3, April 23, 1979

QCP-3050, "Qualification of Inspection and Testing Personnel,"  
Revision 3, October 22, 1978

QCP-3110.4, "Pipe and Tubing Inspection Procedure," Revision 3,  
February 1, 1979

SP-656, "Fabrication of Local Instrument Piping and Tubing Assemblies," Revision 3, November 15, 1978

SP-660, "Procedure for Preparation and Control of the Process Control Traveler," Revision 1, October 30, 1978

No items of noncompliance or deviations were identified.

b. Observation of Work

In conjunction with the Mercury procedures review, the IE inspector conducted a review of tubetrack and tubing installations at the -35 foot level in the Auxiliary Building. An inspection of installed tubing was conducted on the following panels:

R-30  
C-32  
C-36  
C-38  
C-39

During the IE inspector's observation of completed work on panel C-39, it was observed by the IE inspector that the tubing-to-coupling weld of line FIS-FW-8333 OASH-H at the top of the cabinet appeared to have an unacceptable coupling alignment prior to welding. In addition, it was observed that the Weld Data Report Form 197-1 for this specific weld indicated acceptance by the QC inspector. Since observation of this panel tubing work was made at the close of the IE inspection and actual physical alignment measurements were not made at the time, this matter is considered unresolved pending follow up by the licensee in determining the acceptability of misalignment and a subsequent review of this matter by the IE inspector.

No items of noncompliance or deviations were identified.

4. Site Tour

The IE inspector walked through various construction and storage areas to observe construction activities in progress and to inspect the general state of cleanliness and adherence to housekeeping requirements.

No items of noncompliance or deviations were identified.

5. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, items of noncompliance, or deviations. An unresolved item related to coupling-to-tubing alignment is discussed in paragraph 3.b.

6. Exit Interview

The IE inspector met with licensee representatives (denoted in paragraph 1) on September 5, 1980, and summarized the purpose, scope and findings of the inspection.