

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

Region IV

Report No. 50-498/80-16; 50-499/80-16

Docket No. 50-498; 50-499

Category A2

Licensee: Houston Lighting and Power Company
Post Office Box 1700
Houston, Texas 77001

Facility Name: South Texas Project, Units 1 and 2

Inspection at: South Texas Project, Matagorda County, Texas

Inspection conducted: June 1980

Inspector: C. R. Oberg
for H. S. Phillips, Resident Reactor Inspector

7/14/80
Date

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

7/14/80
Date

Inspection Summary:

Inspection during June 1980 (Report No. 50-498/80-16; 50-499/80-16)

Areas Inspected: Routine, announced inspection by the Resident Reactor Inspector (RRI) included independent inspection performed during site tours; follow-up inspections relative to noncompliances and unresolved matters; inspection of safety-related components, containment structural steel welding, QA records system; and management meetings. This inspection involved fifty-seven 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

*G. W. Oprea, Executive Vice President
*R. A. Frazar, Quality Assurance Manager
*J. W. Briskin, Manager Houston Operations
*R. L. Ulrey, Support QA Manager
*A. H. Guttermin, Attorney
W. N. Phillips, Projects QA Manager
L. D. Wilson, Site QA Supervisor
J. W. Soward, Lead QA Specialist
M. S. Monteith, QA Specialist
T. J. Jordan, Supervisor Quality Systems

Brown & Root, Inc. (B&R) Employees

*K. M. Broom, Senior Vice President
*J. L. Hawks, Engineering Project Manager

Management Analysis Company (MAC)

*J. P. Jackson, Senior Vice President
*L. E. Zwislocki, President

Bechtel

*J. M. Amaral, QA Manager

The RRI also talked with and interviewed several other licensee and contractor employees, including members of the quality, technical and engineering staffs.

*Denotes those attending management meeting at the Region IV office.

2. Licensee Action on Previous Inspection Findings

(Open) Noncompliances, Unresolved Items and Show Cause Letter (50-498/79-19; 50-499/79-19): Special investigation of alleged threats/harassment and assessment of the effectiveness of the QA program.

The RRI attended several meetings both on and off site relative to inspection findings which were documented in the above referenced report. Follow-up inspection results were documented as follows:

<u>NRC Document</u>	<u>Date of Meeting/Inspection</u>	<u>Summary of Results</u>
Report No. 50-498/80-17; 50-499/80-17	June 23 and 26, 1980	Three of six items of noncompliance closed. See NRC report for technical details.
Docket No. 50-498; 50-499, memo for File, dated 7/2/80	June 30, 1980	HL&P outlined actions for responding to Show Cause Order Items 5, 6, 7, 8 and 9.

3. Site Tours

The RRI inspected various site areas as follows: Units 1 and 2 Reactor Containment, Mechanical, Electrical and Fuel Handling Buildings; Essential Cooling Pond; various laydown areas; the steam generator receiving and laydown areas. Inside storage areas (Warehouse A thru E) were inspected. The B&R QA records vault, document control center, QA/QC work areas were also inspected.

No items of noncompliance or deviations were identified.

4. Reactor Pressure Vessels (RPV)

Unit 1 RPV is stored in place and access into it is controlled. Unit 2 RPV is stored outside on dunnage. The desiccant indicator showed that the desiccant inside the vessel was in good condition.

No items of noncompliance or deviations were identified.

5. Steam Generator, Westinghouse Model "EZ", Lift and Transport

The RRI observed the prelift, lift and transport activities of one of two Unit 2 steam generators received by barge. The whole operation went smoothly. The steam generators were placed in outside storage. The RRI reviewed the following documents controlling the activities:

- a. Special Rigging Instructions, SRI 0014, Revision 0, which described detailed instructions for preparation, including equipment certification, inspection and testing, lifting and transporting.
- b. Nine Test Certificates, Yarbrough Cable Service, Inc., Certificates No. 9P-740 through 9P-749 (less 9P-745).
- c. Prelift Review - Training on SRI 0014.
- d. Crawler Transporter Memo to file, dated June 18, 1980, subject: Equipment for Transporting Unit II Steam Generator.

- e. Rigging Test Data Form.
- f. B&R Examination Check - Visual of Slings.
- g. NDE Magnetic Particle Report - 200 and 600 Ton Lifting Hooks.
- h. Maintenance Checklist, Crawlers.

No items of noncompliance or deviations were identified.

6. Containment Structural Steel Welding

The RRI reviewed welding/NDE records for Pittsburg DeMoines Contract No. 19744. QA records for LAMCO columns AA6, AA9, AA10, AA11, AA12, AA14, AA15, AA16 and AA18 were specifically reviewed to determine if all work had been finally accepted. All records were signed April 17, 1980. When the RRI inquired as to why the records were not transferred to the QA record vault in a timely manner, the records were immediately sent to the vault. The RRI had no further questions regarding this matter.

All welding/NDE records for LAMCO columns were reviewed.

No items of noncompliance or deviations were identified.

7. Review of Brown & Root QA Records System

The RRI interviewed B&R personnel who are responsible for managing the QA records system. The current procedure, which describes the records management system, is being rewritten and should be completed by June 23, 1980.

The system was checked to verify: (1) that an index of records was on file; (2) that a personnel access list was published; and (3) that records checked out were adequately protected.

The RRI determined that the above areas were controlled in accordance with procedures; however, records checked out (in one case a whole file cabinet) were taken to areas outside the storage facility that have no fire protection, humidity control or other features as required by NRC Regulatory Guide 188 and ANSI N45.2.9(9/74), a licensee commitment.

This item is unresolved pending clarification of B&R ST QAP 6.1, paragraph 4.8; i.e., control of records checked out. The licensee will address this in response to the Show Cause Letter which resulted from Investigation Report No. 50-498/79-19; 50-499/79-19. (Unresolved Item No. 50-498/80-16.01; 50-499/80-16.01)

No items of noncompliance or deviations were identified.

8. 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. One unresolved item is discussed in paragraph 7.

9. Management Meetings

The following meetings were held during the subject inspection period:

<u>Attendees</u>	<u>Subject</u>	<u>Date</u>
HL&P Project QA Manager and B&R Construction Project Manager	Major Organizational Changes	June 2, 1980
HL&P Site QA Supervisor and Lead Mechanical QA Specialist	Follow Up on Storage and Maintenance Conditions	June 3, 1980
HL&P QA Manager	Concrete Pour C11 W90 and B&R Audit 51-36	June 4-5, 1980
HL&P QA Manager and B&R Senior Vice President	Corrective Action Relative to NRC Investigation Report No. 50-498/79-19; 50-499/79-19	June 6, 1980
HL&P Soils Coordinator	Soil Testfill Program	June 9, 1980
HL&P QA Manager, Project Manager, B&R Engineering Project Manager and Representatives of Congressman Bob Eckhardt	Review of South Texas Project and Response/Action to NRC Findings	June 11, 1980
HL&P QA Project Manager	Organization	June 20, 1980
NRC Soils Team (RI, RIII and RIV), HL&P Site QA Supervisor, HL&P Soils Coordinator and B&R Engineering Project Manager	Follow Up on Noncompliances and Unresolved Items Relative to NRC Investigation Report No. 50-498/79-19; 50-499/79-19	June 23-26, 1980
NRC Investigators and Resident Inspector; HL&P Senior Vice President; HL&P Site QA Supervisor and Management Analysis Company Vice President	Allegation Relative to Welding Records	June 26, 1980
Region IV Management and Resident Inspector, HL&P Manager Houston Operations, HL&P Support QA Manager, HL&P Attorney and B&R Engineering Project Manager	Show Cause Items No. 5, 6, 7, 8 and 9	June 30, 1980