

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

REGION IV

Report No. 50-498/80-28; 50-499/80-28

Docket No. 50-498; 50-499

Category A2

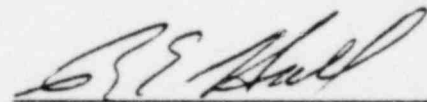
Licensee: Houston Lighting & Power Company
Post Office Box 1700
Houston, Texas 77001

Facility Name: South Texas Project, Units 1 & 2

Inspection at: South Texas Project, Matagorda County, Texas

Inspection Conducted: October 6-10 and October 14-17, 1980

Inspector:


D. P. Tomlinson, Reactor Inspector, Engineering
Support Section

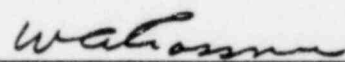
11/5/80
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Other

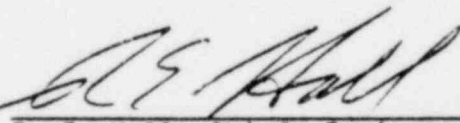
Accompanying

Personnel: R. E. Hall, Chief, Engineering Support Section
(October 9-10, 1980)

Approved:


W. A. Crossman, Chief, Projects Section

11/6/80
Date


R. E. Hall, Chief, Engineering Support Section

11/5/80
Date

Inspection Summary:

Inspection on October 6-10 and 14-17, 1980 (Report No. 50-498/80-28; 50-499/80-28)

Areas Inspected: Unannounced follow-up inspection of construction activities pertaining to the resumption of AWS welding, re-examination and repair of existing AWS welds, and review of responses to NRC Inspection Report No. 50-498/79-19; 50-499/79-19 findings. The inspection involved fifty-three 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

- *R. A. Frazar, Manager, Quality Assurance
- *L. D. Wilson, Project QA Supervisor
- T. J. Jordan, Supervisor, Quality Systems
- J. W. Soward, QC Supervisor

Other Personnel

D. Muscente, Welding Project Manager, B&R

The IE inspector also contacted other licensee and contractor employees including members of the QA/QC and engineering staffs.

*Denotes those attending the exit interview.

2. Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item (50-498/79-19-36; 50-499/79-19-36): No Code Inspection by ANI on Weld Now Embedded in Concrete on the Fuel Transfer Tube. The IE inspector interviewed cognizant engineering personnel and reviewed the inspection reports and other correspondence relative to the fuel transfer tube. The transfer tube was delivered to the site as two pieces which were welded together by site welders and inspected by the ANI. The bellows were then welded to the tube assembly. The required NDE of the welds was performed and the entire assembly was hydrostatically tested and the results documented on October 9, 1978. The ANI was not notified of the hydro test, did not witness the test and did not code stamp the final fuel transfer tube assembly. Brown and Root engineering redefined the code jurisdictional boundaries and removed the code stamp requirements for the fuel transfer tube making it consistent with the other containment mechanical penetrations. NCR S-M 1513-A, with attachments, removes the code stamp requirements thus relieving the ANI of responsibility for witnessing the hydro-test. The ANI issued a memo dated December 7, 1978, which stated, "All previous and future ANI involvement with the subject assembly is no longer applicable for Units 1 and 2." This item is no longer unresolved as the assembly classification has been clarified, the code stamp requirement removed and ANI involvement deleted.

This item is closed.

3. Site Tour

The IE inspector walked through various areas of the site to observe construction activities and to inspect housekeeping. The tour included Reactor Building No. 1, MEAB No. 1 and several storage areas.

No items of noncompliance or deviations were noted.

4. Resumption of AWS Welding

The IE inspector reviewed the Brown and Root (B&R) plan for the restart of welding activities in the area of AWS Category 1 structural steel welds. A review of associated procedures was conducted including Procedures MECP-1 for requalifying welders, WEI-6 for the re-examination and repair of AWS Category 1 welds and MECP-2 for new AWS Category 1 welds. Records were reviewed for each of the first six welders requalified and a thorough examination of the attendant radiographs was made to assure that film quality and weld quality requirements were met. Film identification, density, penetrameter placement, penetrameter designation and defect evaluation were among the items checked.

The IE inspector was present for the welding and inspection of the first two hundred joints and performed an over-check evaluation of approximately one-half of these. All welds inspected appeared to be of adequate size and contour. None exhibited unacceptable undercut, porosity, spatter or laps.

The IE inspector interviewed three of the requalified welders, two welding supervisors, the area general foreman, a welding engineer and the Level III inspector assigned to the restart program. All appeared knowledgeable of the restart and procedural requirements. Also interviewed were the three members of re-examination/repair Team 1 who were documenting deficient welds in MEAB No. 1, cubicle 2-F. Current plans involve three of these teams to inspect 100% of all existing AWS structural welds and perform repairs on all that do not conform with visual inspection requirements.

There are presently thirty-five welders qualified to work on new and repair welds in cubicles 2A, 2B and 2F as well as shop produced welds for embeds. Seven inspectors have been requalified to examine and document both the new AWS welds and those under the re-examination/repair program. Qualification records of these personnel will be reviewed during subsequent IE inspections.

No items of noncompliance or deviations were noted.

5. Exit Interview

The IE inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on October 17, 1980. The findings of this inspection were discussed.