

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

REGION IV

Report No. 50-498/79-17; 50-499/79-17

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 & 2

Inspection at: South Texas Project, Matagorda County, Texas

Inspection conducted: October 24-26, 1979

Inspector: *W. G. Hubacek*  
W. G. Hubacek, Reactor Inspector, Projects Section

11/13/79  
Date

Reviewed: *W. G. Hubacek*  
*for* H. S. Phillips, Resident Reactor Inspector, Projects  
Section

11/13/79  
Date

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

11/13/79  
Date

Inspection Summary:

Inspection on October 24-26, 1979 (Report No. 50-498/79-17; 50-499/79-17)

Areas Inspected: Routine, unannounced inspection of licensee responses to previously identified inspection findings and review of a reported 50.55(e) item. 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 Personnel

W. N. Phillips, Project QA Manager  
T. D. Stanley, Project QA Supervisor  
\*L. D. Wilson, Site QA Supervisor  
\*T. J. Jordan, QA Lead Engineer  
D. G. Long, QA Lead Engineer  
\*M. H. Smith, Plant QA Supervisor  
G. A. Marshall, Senior QA Specialist  
\*H. G. Overstreet, Senior QA Specialist  
L. K. English, Site Manager  
H. E. Orban, Construction Supervisor

#### Other Personnel

\*S. A. Rasnick, Manager, Construction Engineering, Brown & Root (B&R)  
\*G. T. Warnick, Site Manager, B&R  
\*W. Abrams, Supervisor QA Engineering, B&R

The IE inspector also interviewed other licensee and contractor employees including members of the QA/QC staff.

\*Denotes those attending the exit interview.

### 2. Licensee Actions on Previous Inspection Findings

(Closed) Infraction (50-498/79-03-A; 50-499/79-03-A): Failure to Follow Procedures for Storage of Material. The IE inspector reviewed corrective actions described in the licensee's response dated April 3, 1979. The IE inspector observed that, relative to the matter of carbon steel in contact with stainless steel items, Nonconformance Report S-G1974, which documented discrepancies, has been closed; revised Procedure GCP-22 and recently issued Procedure GCP-35 contain appropriate receiving and storage requirements for stainless steel items; and additional training was provided to receiving inspection personnel. The IE inspector observed that, with regard to the matter of reinforcing steel stored in contact with the ground, Procedure GCP-35 addresses the requirement to store materials on cribbing; the licensee performed special inspections of reinforcing steel and embedment storage areas during the period April 27, 1979, to June 5, 1979; Brown & Root Civil QC is currently performing twice weekly inspections of reinforcing steel and embedment storage areas; and additional training was provided for QC and construction personnel. During inspection of material storage and staging areas, the IE inspector observed that storage of stainless steel items and reinforcing steel was accomplished in accordance with procedural requirements.

This matter is considered resolved.

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(Closed) Infraction (50-498/79-05-A; 50-499/79-05-A): Failure to Follow Procedures for Storage of Material. The IE inspector reviewed corrective actions described in the licensee's response dated May 25, 1979. The IE inspector observed that Procedure GCP-35 has been issued which addresses storage, maintenance and inspection requirements for materials and equipment received at the site. Maintenance and inspection records for the boron recycle evaporator were observed to be prepared in accordance with procedural requirements. Inspection of the boron recycle evaporator and other equipment stored in the Mechanical Electrical Auxiliary Building revealed that storage conditions met requirements stated in GCP-35.

This matter is considered resolved.

(Open) Unresolved Item (50-498/79-03-2; 50-499/79-03-2): Long Term Storage Requirements in NSSS Manual. Westinghouse (W) has issued a site specific "South Texas Project Recommended Storage Criteria" manual which supersedes all previous issues of the W Nuclear Service Division "NSSS Component Receiving and Storage Criteria." The manual provides guidance in establishing minimum storage criteria pertaining to appropriate levels of storage, surveillance and preventive maintenance. Four sections are not yet included in the manual including Reactor Coolant Pump Motors, Auxiliary Valves, Auxiliary Pumps and Motors, and Fuel Transfer Equipment. These sections will be issued as revisions to the manual. The IE inspector observed that W manual requirements pertaining to "Recommended Surveillance During Storage" in some cases specified "bi-weekly inspections" without stating what is to be inspected and in other cases specified that surveillance is to be performed "periodically" without stating basic requirements for establishing the frequency of surveillance.

This matter remains unresolved pending clarification of surveillance frequencies and inspection requirements.

(Closed) Unresolved Item (50-498/79-10; 50-499/79-10): Inconsistencies in Documentation of Electrical QC Inspections and Recording of Beam Deflection Measurements for the RCB-1 Polar Crane Test. Minor inconsistencies related to documentation of electrical QC inspections and recording of crane beam deflection measurements have been corrected. Records of electrical tests have been attached to the traveler for the polar crane load test. The "Field" Engineer's Data Report of Deflection Acceptance" has been attached to the traveler to document the actual deflection measurements.

This matter is considered resolved.

(Closed) Unresolved Item (50-498/79-11-1; 50-499/79-11-1): Lack of Concrete Pour Card for Pour CS1-W8. After an exhaustive search of the Brown & Root QA vault and conduct of field searches by QC and construction, the licensee determined that the Pour Card for pour CS1-W8 was lost. For continuity of records, a copy of NCR SC-1550, which documents the loss of the Pour Card, and the Concrete Inspection Book have been attached to a blank Pour Card for pour CS1-W8. Corrective measures to prevent recurrence include timely transmittals of Pour Cards to the QA vault and initiation of a document

transmittal form to provide a record of documents received by the QA vault. In addition, documents received by the QA vault are subject to established access procedures and may only be removed by authorization of the Brown & Root Site QA Manager.

This matter is considered resolved.

(Closed) Unresolved Item (50-498/79-11-2; 50-499/79-11-2): Deletion of Paragraphs 3.1.8, 3.1.9, 3.1.19 and 3.1.13 From Procedure CCP-4. The IE inspector observed that the above paragraphs, which had been deleted by Revision 9 of CCP-4, were subsequently reinstated and are contained in the current revision of the procedure.

This matter is considered resolved.

3. Reported 50.55(e) Item

On October 25, 1979, a licensee representative reported a construction deficiency related to inadequate support of pipe in three 16", Unit 1 emergency sump recirculation lines. A Brown & Root engineer reviewing drawings issued for construction observed that each pipe is supported by only two 1/4" plates welded to the line at the containment penetration. Failure of welds attaching the pipes to the 1/4" plates could lead to failure of the recirculation valves.

The licensee will submit a report in thirty days as required by 50.55(e).

4. Exit Interview

The IE inspector met with licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on October 26, 1979. The IE inspector summarized the purpose and the scope of the inspection and the findings.