

AUG 12 1983

In Reply Refer To:
Dockets: 50-498/83-13
50-499/83-13

Houston Lighting & Power Company
ATTN: G. W. Oprea, Jr.
Executive Vice President
P.O. Box 1700
Houston, Texas 77001

Gentlemen:

This refers to the inspection conducted by Mr. J. R. Boardman of this office during the period July 18-22, 1983, of activities authorized by NRC Construction Permits CPPR-128 and 129 for South Texas Project, Units 1 and 2, and to the discussion of our findings with Mr. H. A. Walker, and other members of your staff at the conclusion of the inspection.

Areas examined during the inspection included site fabricated embedded plate assemblies, use of high strength bolts to ASTM A-490, and review of previously identified findings. Within these areas, the inspection consisted of selective examination of procedures and representative records, interviews with personnel, and observations by the inspector. These findings are documented in the enclosed inspection report.

Of particular significance, this report identifies that certain site fabricated anchor bolts made from ASTM A-193, Grade B7, bar are of the same alloy (4140), and have hardness values (based on B&R tests) in the range of failed reactor vessel anchor bolts numbers 3 and 36 at Midland. High hardness indicates a brittle condition. This fact has not been addressed by the licensee, by Brown & Root, or by Bechtel Power Corporation. Evaluation of this apparent problem is requested.

Within the scope of the inspection, no violations or deviations were identified.

Two unresolved items are identified in paragraphs 3 and 4 of the enclosed inspection report.

We have also examined actions you have taken with regard to previously identified inspection findings. The status of these items is identified in paragraph 2 of the enclosed report.

RPS-B *gws*
JBoardman/dsm
8/10/83

RPS-B *W*
WCrossman
8/10/83

RPB1/RIV *W*
GMadsen
8/11/83

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PDR ADOCK 05000498
Q PDR

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Houston Lighting & Power
Company

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In accordance with 10 CFR 2.790(a), a copy of this letter and the enclosure will be placed in the NRC Public Document Room unless you notify this office, by telephone, within 10 days of the date of this letter, and submit written application to withhold information contained therein within 30 days of the date of this letter. Such application must be consistent with the requirements of 2.790(b)(1).

Should you have any questions concerning this inspection, we will be pleased to discuss them with you.

Sincerely,

"Original Signed by:
G. L. MADSEN"

G. L. Madsen, Chief
Reactor Project Branch 1

Enclosure:
Appendix - NRC Inspection Report
50-498/83-13
50-499/83-13

bcc to DMB (IE01)

bcc distrib. by RIV:
RPB1 Resident Inspector
RPB2 Section Chief (RPS-B)
TPB J. Gagliardo, DRRP&EP
J. Collins, RA J. Boardman
C. Wisner, PAO
D. Sells, NRR
MIS SYSTEM
RIV File
TEXAS DEPT. OF HEALTH RESOURCES