



Houston Lighting & Power Company

Electric Tower
P.O. Box 1700
Houston, Texas 77001

February 28, 1978

ST-HL-AE-244 (11-11)
SFN: C-0570

Mr. W. C. Seidle, Chief
Reactor Construction and Engineering
Support Branch
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76012

SUBJECT: RESPONSE TO NRC INSPECTION FINDINGS
SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION
DOCKET NO. 50-498 AND 50-499

Dear Mr. Seidle:

The following is our response to the infractions (Appendix A) identified in IE Inspection Report No. 50-498/78-01 and 50-499/78-01 dated January 27, 1978.

A) Actions to Correct Problems

1) Infraction - Cold Weather Concreting

An investigation of factors in this incident revealed that Construction Procedure A040KPCCP-4, Revision 3, was violated primarily due to interpretation problems with ACI 306 as to whether cold weather conditions existed or not on the day of the infraction. The interpretation problem has been solved by revising South Texas Project Specifications 2A010CS028-E, "Concrete Construction" and 2A010CS001-F, "Concrete Supply" to clarify and define cold weather conditions. Further, Construction Procedure A040KPCCP-4 has been revised to reflect the specification requirements.

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2) Infraction - Improper Vibration

Inspections of both placements after form removal by B&R QA/QC, B&R Construction and HL&P QA revealed no indications that proper consolidation had not been achieved. Both FH1-W20 and FH2-W8A, W6 and W7 required minor cosmetic repairs, but neither case was caused by improper vibration.

Quality Control Inspectors were retrained and recertified to correct the problem of their not detecting and correcting the improper vibration technique. See paragraph B) 2) below for additional information.

B) Actions to Preclude Recurrence

1) Infraction - Cold Weather Concreting

B&R procedures and specifications have been revised and are being complied with. HL&P QA surveillance checklists have been revised to incorporate these changes. HL&P QA will continue to monitor B&R compliance with the applied requirements.

2) Infraction - Improper Vibration

HL&P QA issued Stop Work Request #1 on Monday, January 16, 1978. This request stopped all concrete placement activities in the main plant area. Corrective action and recurrence control were required for lifting the Stop Work Request. B&R QA/QC held retraining for placement inspectors on January 20 and 21, 1978. The placement inspectors were recertified after successful completion of examinations, subject to HL&P approval. B&R Construction held a refresher course on concrete vibration for foremen on January 19, 1978. HL&P QA has increased routine daily surveillance of placement activities and has added an item concerning vibrator operation to the appropriate surveillance checklist.

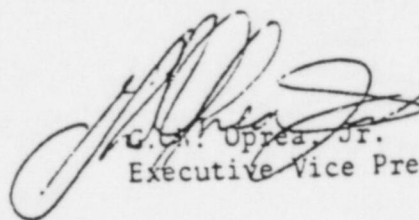
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C) Date Action Will Be Completed and Full Compliance Achieved

Full compliance as described above has been achieved since January 23, 1978. Revisions to documents as described above were completed by February 17, 1978.

Very truly yours,



C. C. Upree, Jr.
Executive Vice President

GWO/cas

cc: Mr. R. A. Frazar
Mr. H. L. Key
Mr. T. H. Gamon (B&R)