

APPENDIX

U.S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-498/88-49
50-499/88-49

Operating License: NPF-76
Construction Permit: CPPR-129

Dockets: 50-498
50-499

Licensee: Houston Lighting & Power Company (HL&P)
P.O. Box 1700
Houston, Texas 77001

Facility: South Texas Project (STP), Units 1 and 2

Inspection At: STP, Matagorda County, Texas

Inspection Conducted: August 15-19, 1988

Inspectors:

J. Barnes

L. D. Gilbert, Reactor Inspector, Materials
and Quality Programs Section, Division of
Reactor Safety

8-26-88

Date

E. Holler

D. L. Garrison, Resident Inspector, Project
Section D, Division of Reactor Projects

8-26-88

Date

Approved:

J. Barnes

J. Barnes, Chief, Materials and Quality
Programs Section, Division of Reactor Safety

8-26-88

Date

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Inspection Summary

Inspection Conducted August 15-19, 1988 (Report 50-498/88-49)

Areas Inspected: No inspection of Unit 1 was conducted.

Results: Not applicable.

Inspection Conducted August 15-19, 1988 (Report 50-499/88-49)

Areas Inspected: Routine, unannounced inspection of piping systems for as-built verification in Unit 2.

Results: Within the area inspected, no violations or deviations were identified.

DETAILS

1. Persons Contacted

HL&P

- *J. T. Westermeier, Project Manager
- *T. J. Jordan, Project Quality Assurance Manager
- *A. W. Harrison, Supervisory Engineer
- *S. B. Patel, Senior Construction Engineer
- *G. Ondriskt, Startup Engineer
- *S. D. Phillips, Project Compliance Engineer
- *K. M. O'Gara, Project Compliance Engineer
- *R. R. Hernandez, Discipline Site Engineer

Bechtel Energy Corporation (BEC)

- *R. D. Bryan, Construction Manager
- F. Almeida, Engineering ABR Group Supervisor

NRC

- *J. I. Tapia, Senior Resident Inspector

The NRC inspectors also interviewed other contractor personnel during the inspection.

- *Indicates personnel attending the exit interview.

2. Piping Systems As-Built Verification for Unit 2 (37051)

The licensee is using Standard Site Procedures SSP-34 and 39 for the generation and completion of as-built design documents for piping and supports. The as-built drawings are scheduled to be completed by December 1, 1988.

Initial NRC inspection of the Unit 2 as-built verification of piping systems is documented in NRC Inspection Report 50-499/87-58. The NRC inspectors selected five additional isometric drawings of safety-related piping systems to verify that the as-built drawings correctly reflected the as-built condition of the piping systems as installed in the plant. The following isometric drawings were selected as a representative sample of the piping systems:

- o Isometric Drawing 2M369PCV217, Sheet A01, Revision 6, for the chemical and volume control (CV) system piping from Penetration M51 to M52 which included approximately 120 feet of 2-inch diameter Class 2 piping, 24 valves, and 8 pipe supports.

- o Isometric Drawing 2M369PRH259, Sheet 02, Revision 4, for the residual heat removal (RH) system piping from Penetration M55 to M76 which included approximately 57 feet of 8-inch diameter Class 2 piping, 2 valves, and 3 pipe supports.
- o Isometric Drawing 5F369PFC530, Sheet 01, Revision 6, for the spent fuel pool cooling and cleanup (FC) system piping from the FC pump to the FC heat exchanger which included approximately 30 feet of 10-inch diameter Class 3 piping, 1 valve, and 2 pipe supports.
- o Isometric Drawing 2F369PSI572, Sheet 05, Revision 8, for the safety injection (SI) system piping from the high head SI pump to Support RR39 which included approximately 27 feet of 6-inch diameter Class 2 piping and 4 pipe supports.
- o Isometric Drawing 5F369PCS515, Sheet 03, Revision 7, for the containment spray (CS) system piping from the CS pump to Weld FW5396 which included approximately 85 feet of 3 and 8-inch diameter Class 2 piping, 1 valve, and 11 pipe supports.

In the area inspected, the as-built condition of the installed piping and supports was consistent with the drawings and piping specifications for piping location, size, and configuration; pipe weld location and identification; and support location, type, and configuration.

No violations or deviations were identified.

3. Exit Interview

The NRC inspectors met with the licensee representatives denoted in paragraph 1 on August 19, 1988, and summarized the inspection scope and findings.