

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

REGION IV

Report No. 50-445/80-05; 50-446/80-05

Docket No. 50-445; 50-446

Category A2

Licensee: Texas Utilities Generating Company
2001 Bryan Tower
Dallas, Texas 75201

Facility Name: Comanche Peak, Units 1 and 2

Inspection at: Comanche Peak Site, Glen Rose, Texas

Inspection conducted: February 14-15 and 19-21, 1980

Inspectors:

W. A. Crossman
for R. C. Stewart, Reactor Inspector, Projects Section
(Paragraphs 1, 2, 5, 6 & 7)

2/28/80
Date

Daniel H. McDonald
for D. P. Tomlinson, Reactor Inspector, Engineering Support
Section (Paragraph 3) (February 19 & 20, 1980)

2/28/80
Date

Daniel H. McDonald
for J. I. Tapia, Reactor Inspector, Engineering Support
Section (Paragraph 4) (February 19 & 20, 1980)

2/28/80
Date

Approved:

W. A. Crossman
W. A. Crossman, Chief, Projects Section

2/28/80
Date

Daniel H. McDonald
for R. E. Hall, Chief, Engineering Support Section

2/28/80
Date

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Inspection Summary:

Inspection on February 14-15 and 19-21, 1980 (Report No. 50-445/80-05;
50-446/80-05)

Areas Inspected: Routine, unannounced inspection of construction activities related to a follow-up review of Unit 1 Reactor Coolant Pressure Boundary piping welding; a follow-on review of QA/QC records related to the Unit 2 Containment Building structural concrete installations; and a follow-on review of QA/QC records and observation of work relative to the installation of safety-related components. The inspection involved sixty-five inspector-hours by three NRC inspectors.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

Principal Licensee Personnel

- *R. Tolson, Site QA Supervisor, Texas Utilities Generating Co. (TUGCO)
- A. Vega, QA Engineer, TUGCO
- D. Deviney, Operations QA Supervisor, TUGCO
- *J. Hawkins, QC Supervisor, Brown & Root/Gibbs & Hill (B&R/G&H)
- R. Fleck, QA Surveillance Supervisor, Texas Utilities Services, Inc./Gibbs & Hill (TUSI/G&H)

Other Personnel

- H. Williams, QC Supervisor, G&H
- T. Summerville, QA/QC Document Control Supervisor, B&R
- J. Cockfield, Millwright QC Inspector, B&R
- R. Jorgensen, QA Start-Up Inspector, B&R
- R. Cormears, QA Start-Up Supervisor, B&R

The IE inspectors also interviewed other licensee and contractor personnel including members of the engineering and QA/QC staffs.

*Denotes those attending the exit interview.

2. Site Tour

The IE inspectors toured the Units 1 and 2 Reactor Containment Buildings and Auxiliary Building to observe construction activities in progress and to inspect housekeeping.

No items of noncompliance or deviations were identified.

3. Unit 1 Reactor Coolant Pressure Boundary Piping - Observation of Work

The IE inspector witnessed part of the repair work being performed on weld joint FW-19-1 as shown on drawing SI-1-RB-037, Revision 1. This is a piping weld on the Safety Injection system line near its juncture with the Loop No. 1 cold leg. Due to an error in fabrication by Grinell, a mismatch occurred which necessitated a weld build-up of the affected area. The welding operation was accomplished in accordance with WPS-88011, Revision 4 and WPS-880235, Revision 3. Weld Data Card (WDC) 56435 appeared to be correct and complete for all previous operations.

No items of noncompliance or deviations were identified.

4. Concrete Placement

A review of Quality Assurance records relative to the Unit 2 Containment Building structural concrete was conducted to ascertain whether these records reflect work accomplishment consistent with design specifications and Safety Analysis Report commitments. The following records for Placement No. 201-8805-006 (Unit 2 containment wall from elevation 1026 to 1032) were specifically reviewed:

- a. Concrete Pour Card
- b. Inspection Report
- c. Concrete Placement Plan
- d. Concrete Placement Summary
- e. Daily Curing Verification Record
- f. Report on Compressive Tests of Concrete
- g. Batch Tickets

In addition, fifty-two randomly selected Sieve Analysis of Aggregate reports covering the period from October 1 to November 1, 1979, were reviewed. The tests involved both the coarse and fine aggregates used in the Class I concrete mix (No. 133).

The records reviewed indicated conformance with the following documents:

- a. Gibbs & Hill Specification No. 2323-SS-9, Revision 5, "Concrete"
- b. Texas Utilities Generating Company (TUGC) Instruction No. WI-QP-11.0-3, Revision 1, "Concrete of Mortar Placement Inspection"
- c. TUGCO Instruction No. QI-QP-11.1-23, Revision 0, "Sieve Analysis of Fine and Coarse Aggregates"
- d. ASTM C33-77, "Standard Specification for Concrete Aggregates"
- e. ASTM C136-76, "Standard Test Method for Sieve or Screen Analysis of Fine and Coarse Aggregates"

No items of noncompliance or deviations were identified.

5. Installation of Safety-Related Components - Observation of Work and Work Activities

The IE inspector conducted a follow-on walk thru and inspection of both Unit 1 and Unit 2 Reactor Containment Buildings and Auxiliary Building to observe installation and protection of safety-related components. Observations were made on all principle levels of the Reactor Containment Buildings and the Auxiliary Building in conjunction with the requirements prescribed by B&R Construction Procedure, "Storage and Storage Maintenance of Mechanical and Electrical Equipment," MCP-10, Revision 4, dated June 14, 1979, and TUSI Procedure QI-QP-11.3.31, dated January 5, 1980.

No items of noncompliance or deviations were identified.

6. Safety-Related Components - Review of Quality Control Records

The IE inspector selected the QA/QC documents related to the containment spray pumps, boron injection pumps, and the safety injection pumps for a records review. Included in the review were the "QA Data Package" files for each of the pumps and which contained the "Certificates of Compliance"; ASME forms NPV-1 and NF-1; and transport and installation travelers RI78-044-5701, dated August 7, 1978, and RI79-165-4800, dated May 2, 1979. In addition, QA/QC records contained on microfiche, located by QRs No. 32724 and 34024, were reviewed.

No items of noncompliance or deviations were identified.

7. Exit Interview

The IE inspector met with the licensee representatives (denoted in paragraph 1) on February 21, 1980, and summarized the purpose, scope and findings of the inspection.