

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

REGION IV

Report No. 50-445/78-19; 50-446/78-19

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 & 2

Inspection at: Comanche Peak Site, Glen Rose, Texas

Inspection conducted: October 31 - November 3, 1978

Inspectors:

A. B. Rosenberg
A. B. Rosenberg, Reactor Inspector, Engineering
Support Section

11-9-78
Date

Other
Accompanying
Personnel:

A. B. Beach, Reactor Inspector, Engineering Support Section
(Inspector in training)

Reviewed:

R. G. Taylor
for R. G. Taylor, Resident Inspector, Projects
Section

11/9/78
Date

Approved:

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

11/9/78
Date

R. E. Hall
R. E. Hall, Chief, Engineering Support Section

11/9/78
Date

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Inspection Summary:

Inspection on October 31 - November 3, 1978 (Report No. 50-445/78-19;
50-446/78-19)

Areas Inspected: Routine, unannounced inspection of construction activities including observation of work and review of quality assurance documentation related to containment concrete (Unit 1); containment penetrations (Unit 1); HVAC fabrication and installation (Units 1 & 2); and field drawing control (Units 1 & 2). The inspection involved thirty-four (34) inspector-hours on site by one NRC inspector.

Results: No items of noncompliance were identified in the four areas inspected.

DETAILS

1. Persons Contacted

Principal Licensee Personnel

- *D. E. Deviney, TUSI, QA Technician
- *J. V. Hawkins, TUGCO/G&H, Product Assurance Supervisor
- *H. O. Kirkland, TUSI/B&R, Project General Manager
- *J. T. Merritt, TUSI, Resident Manager
- V. M. Nease, TUGCO, Laboratory Supervisor
- C. G. Tolson, TUGCO, Site QA Supervisor

Other Personnel

- L. L. Allen, General Foreman - Batch Plant, Brown & Root (B&R)
- R. V. Fleck, Civil Inspection Supervisor, Gibbs & Hill (G&H)
- W. F. Haley, Assistant Superintendent - Rebar, B&R
- D. H. MacDonald, QA Engineer, Bahnson
- T. J. Martin, Project Engineer, Bahnson

The IE inspector also interviewed other licensee and contractor employees during the course of the inspection.

*denotes those present at the exit interview.

2. Licensee Action on Previous Inspection Findings

(Closed) Unresolved Item (50-445/78-18; 50-446/78-18): Drawing Control. During a previous inspection, the IE inspector identified a revision of a drawing suspected not to be current. The specific drawing could not subsequently be located for verification. During this inspection, nine drawings in use in the field were checked for revisions and changes, and found to be current. The IE inspector had no further questions concerning this matter.

3. Site Tour

The IE inspector toured the various areas of the site to observe construction activities in progress and to inspect housekeeping.

No items of noncompliance or deviations were identified.

4. Containment Exterior Wall - Unit 1

a. Observation of Work

The IE inspector observed activities relating to concrete placement 101-5805-030 for the containment exterior wall. Specific areas observed included concrete placement techniques, concrete production tests, batch plant activities, aggregate storage and test laboratory activities. Review of field records for concrete temperature, air entrainment and slump indicated that results were within the acceptance tolerances. The areas inspected were found to be in accordance with Gibbs & Hill Specification 2323-SS-9.

No items of noncompliance or deviations were identified.

b. Review of Records

The IE inspector reviewed concrete placement, batch plant and audit records relating to placement 101-5805-026 for the containment exterior wall. Records reviewed included:

Pour Card

Batch Tickets

Acceptance Tests

Preplacement and Placement Inspections

Aggregate Sieve and Moisture Analyses

Periodic Water and Aggregate Tests

Batch Plant Inspections

Batch Plant Surveillance

Records reviewed did not reveal any discrepancies with Gibbs & Hill Specification 2323-SS-9.

No items of noncompliance or deviations were identified.

5. Main Steam Penetrations - Unit 1

The IE inspector observed preparations for weld FW 7 on a main steam line penetration in the containment liner. The B&R QC inspector was observed verifying the preheat temperature as required by the weld traveler. It was also observed that installed and partially installed penetrations were protected from construction debris and deleterious atmospheres.

No items of noncompliance or deviations were identified.

6. HVAC Fabrication and Installation

a. Observation of Work

The HVAC fabrication and installation are subcontracted to Bahnson Service Company. The IE inspector toured the on-site fabrication shop and observed welding, filler metal storage, inspection and housekeeping. Welding in the shop was being performed in accordance with Bahnson Weld Procedure BSC-11, Rev. 2.

Installation activities were also observed by the IE inspector. Fit-up, welding and QC inspection of HVAC supports were observed in the area of the battery rooms in the control building at elevation 793. Welding was being performed in accordance with BSC-20, Rev. 3. Activities observed were found to be in accordance with Gibbs & Hill Specification 2323-MS-85.

No items of noncompliance or deviations were identified.

b. Review of Records

The IE inspector reviewed qualification records for three welders and four QC inspectors. Receiving, filler metal issue and inspection records were also reviewed. The records reviewed did not reveal any discrepancies with Gibbs & Hill Specification 2323-MS-85.

Brown & Root audit of Bahnson, B-037-1, was reviewed. It identified no significant findings.

No items of noncompliance or deviations were identified.

7. Exit Interview

The IE inspector met with licensee representatives (denoted in paragraph 1) and Mr. R. G. Taylor (NRC Resident Inspector) at the conclusion of the inspection on November 3, 1978. The IE inspector summarized the purpose, scope and findings of the inspection.