

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

REGION IV

Report No. 50-445/80-14; 50-446/80-14

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: May 13-16, 1980

Inspector: *L. D. Gilbert* 5/23/80
L. D. Gilbert, Reactor Inspector, Engineering
Support Section Date

Approved: *W. A. Crossman* 5/23/80
for W. A. Crossman, Chief, Projects Section Date

R. E. Hall 5/23/80
R. E. Hall, Chief, Engineering Support Section Date

Inspection Summary:

Inspection on May 13-16, 1980 (Report No. 50-445/80-14; 50-446/80-14)

Areas Inspected: Routine, unannounced inspection of construction activities including site tour; observation of work for Reactor Coolant Pressure Boundary piping in Unit 1; and observation of work for other safety-related piping in Units 1 and 2. The inspection involved thirty-one inspector-hours by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS SECTION

1. Persons Contacted

Principal Licensee Personnel

*R. G. Tolson, TUGCO, Site QA Supervisor
J. V. Hawkins, B&R/G&H, QC Supervisor

Other Personnel

W. Baker, Project Welding Engineer, Brown & Root (B&R)
C. Lawrence, Lead QC Inspector, B&R
H. Reinhardt, Test Engineer, B&R
R. Schultz, Foreman Pipe Fitter, B&R
R. Barber, Welding Engineer, G&H

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

*Denotes those attending the exit interview.

2. Site Tour

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

No items of noncompliance or deviations were identified.

3. Reactor Coolant Pressure Boundary Piping - Unit 1

a. Observation of Work

The IE inspector observed the fitup, root welding and fill welding of field weld FW-2 on Drawing RC-1-RB-020, Revision 2 for the Reactor Coolant system pipe line 4"-RC-1-075-2501R-1 for compliance with Welding Procedure Specification (WPS) 88021, Revision 6/ICN 3 and Construction Procedure CP-CPM 6.9, Revision 0.

The root and fill welding of field weld FW-14 on Drawing RC-1-RB-008, Revision 2 for Reactor Coolant system pipe line 2"-RC-1-053-2501R-1 was observed by the IE inspection for compliance with WPS 88023, Revision 9, ICN 3 and CP-CPM 6.9.

The IE inspector observed the fitup inspection by a B&R Quality Control (QC) inspector of a socket weld, identified FW-4, in the Reactor Coolant system pipe line 1"-RC-1-050-2501R-1 on Drawing RC-1-RB-032, Revision 2. The QC inspector rejected the fitup for not complying with the end gap measurement requirements of CP-CPM 6.9, Revision 0.

The hydrostatic testing of FW1-1 and Spool 1Q2 on Drawing RC-1-RB-040, Revision 6 for the Reactor Coolant system pipe line 3/4"-RC-1-081-2501R-2 was observed by the IE inspector to be in progress and reported as Test No. 1-RC-079-5505-H0. The Hydrostatic Test Report was reviewed for compliance with CP-CPM 6.9I, Revision 0.

In the areas inspected, no discrepancies from the requirements of the Welding Procedure Specification, the construction procedure, or the ASME B&PV Code were noted.

No items of noncompliance or deviations were identified.

b. Review of Records

The IE inspector reviewed the receiving inspection records and material certification reports for the following welding filler materials for compliance with CP-CPM 6.9B-1, Revision 0 for procurement requirements and CP-QAP-8.1, Revision 0 for QC receiving inspection.

<u>Heat Number</u>	<u>Receiving Inspection</u>
4282R308L	RIR 11595
746100	RIR 8386
463638	RIR 9625

No items of noncompliance or deviations were identified.

4. Safety-Related Piping - Units 1 and 2

a. Observation of Work

The IE inspector observed a condition in Unit 1 where rusting had occurred on two stainless steel socket welds and adjacent pipe material which is indicative of contamination of the material surfaces with carbon steel material. The contamination could have occurred from using a wire brush not specified in CP-CPM 6.9 for use on stainless steel materials. The condition of the two socket welds in the Safety Injection system, FW-4 and FW-5 on Drawing SI-1-RB-051, was discussed with B&R Welding Engineering and QC personnel who initiated corrective action to remove the contamination and to reinspect the welds. As a preventative measure, B&R Welding Engineering informed the IE inspector that the craft would be reinstructed on control and proper use of wire brushes as delineated in CP-CPM 6.9. Approximately thirty other stainless steel welds were inspected which did not exhibit the rust/contamination condition; therefore, this is considered an isolated case that does not warrant further action.

Two Main Steam system pipe penetration to sleeve field welds in Unit 2 were observed during root welding of FW-1 and fill welding of FW-3; both field welds are identified on Drawing PN-2-503-001-0. Welding appeared to be consistent with requirements of WPS 11013, Revision 5 for FW-1 and WPS 99027, Revision 2 for FW-3.

No items of noncompliance or deviations were identified.

b. Review of Records

The IE inspector reviewed the receiving inspection records and material certification reports for the following welding filler materials for compliance with CP-CPM 6.9B-1, Revision 0 for procurement requirements and CP-QAP-8.1, Revision 0 for QC receiving inspection.

<u>Heat Number</u>	<u>Receiving Inspection</u>
065305	RIR 10395
4250B131	RIR 11039

No items of noncompliance or deviations were identified.

5. Exit Interview

The IE inspector met with a licensee representative (denoted in paragraph 1) and R. G. Taylor (NRC Resident Reactor Inspector) on May 16, 1980, and summarized the purpose, scope and findings of the inspection.