APPENDIX

U. S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-458/84-09

Docket: 50-458

Permit: CPPR-145
Category: A2

Licensee: Gulf States Utilities (GSU)
P. O. Box 2951
Beaumont, TX 77704

Facility Name: River Bend Station (RBS), Unit 1

Inspection At: River Bend Station, St. Francisville, LA

Inspection Conducted: March 20, 1984, through May 16, 1984

Inspector: R E Farrell 6-7-84
R. E. Farrell, Senior Resident Inspector Date

Approved: J P Jaudon 6/8/84
J. P. Jaudon, Chief, Project Section A, Date
Reactor Project Branch 1

Inspection Summary

Inspection Conducted March 20, 1984, through May 16, 1984
(Report: 50-458/84-09)

Areas Inspected: Routine, announced inspection of site tours; craft training; special processes; concrete placement; and electrical cable installation. The inspection involved 208 inspector-hours on site by one NRC inspector.

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

DETAILS

1. Persons Contacted

Principal Licensee Employees

*W. J. Cahill, Senior Vice President, River Bend Nuclear Group
*J. Deddens, Vice President, River Bend Nuclear Group
J. E. Booker, Manager Engineering, Nuclear Fuels and Licensing
*T. C. Crouse, Director, Quality Assurance
W. J. Reed, Director, Nuclear Licensing (Beaumont, TX)
P. F. Tomlinson, Supervisor, Operations Quality Assurance
*C. L. Ballard, Supervisor, Quality Engineering
*L. A. England, Supervisor, Nuclear Licensing (Beaumont, TX)
J. Hamilton, Site Engineering Supervisor
P. R. Radovich, Supervisor Turnover
*K. C. Hodges, Senior Quality Assurance Engineer
R. E. Bailey, Quality Assurance Engineer
D. J. Duckering, Quality Assurance Engineer
O. deMiranda, Quality, Assurance Engineer
B. Beemis, Quality Assurance Engineer
W. M. Searcy, Quality Assurance Engineer
*P. F. Gillespie, Quality Assurance Engineer
*P. J. Dautel, Licensing Staff Assistant
G. P. Davis, Nuclear Staff Analyst
R. B. Stafford, Director, Construction Quality Assurance
*R. W. Helmick, Project Engineer

Stone and Webster (S&W)

*W. I. Clifford, Project Manager
C. A. Goody, Resident Manager
*R. L. Spence, Superintendent, Field Quality Control
G. M. Byrnes, Assistant Superintendent, Field Quality Control
W. R. Whitley, Assistant Superintendent, Field Quality Control
R. J. Fay, Supervisor, Field Quality Control
M. Furer, Chief Electrical Supervisor
*R. A. Fisher, Senior Training Supervisor
J. W. Tisdale, Construction Training Supervisor
*B. R. Hall, Assistant Superintendent, Field Quality Control
*F. E. Lennox, Assistant Superintendent, Construction

General Electric Company (GE)

T. E. Sigman, Site Representative

The NRC senior resident inspector (SRI) also interviewed additional licensee personnel, S&W personnel, and other contractor personnel during this inspection.

*Denotes those present at the exit interview May 16, 1984.

2. Site Tour

The SRI toured areas of the site during the inspection period to observe construction progress, general job practices, housekeeping, and fire protection.

Improvement in accessibility, equipment storage, and general cleanliness were noted. However, the control rod drive hydraulic equipment areas still exhibit an unacceptable accumulation of filth considering the precise nature of this equipment and the Zone IV Housekeeping posting of the area which precludes eating, drinking, or tobacco use. The control rod drive hydraulics are surrounded by cyclone fencing and covered by plastic sheeting. However, the cyclone fence is not roofed over, is not flush to the wall, and does not preclude unauthorized access to this equipment. The plastic sheeting is torn and in some areas shredded. Additionally, it appears that previously accumulated dirt and debris was not removed before installing the protective sheeting.

This condition was previously the subject of a violation (8404-01) and will be reinspected in future inspections.

3. Craft Training

The SRI reviewed the new quality assurance information added to the S&W site orientation presentation in response to an inspector concern (refer to report 458/84-04, paragraph 6). With the additional material, the site orientation adequately addresses the subject of quality assurance.

No violations or deviations were identified in this area.

4. Special Processes

a. Nondestructive Examination of Welds

The licensee, while reviewing radiographic film, identified a problem of yellow stains on developed film rendering the film unreadable. The problem was diagnosed as insufficient film washing after developing.

S&W, the licensee's contractor, has installed a flow meter and solenoid valve in the processor water supply line to preclude film processing when wash water flow is inadequate. Additionally, all final radiographs are now tested for residual thiosulfate before transmittal to the Quality Assurance (QA) records vault.

S&W has reviewed radiographs taken since January of 1980 for evidence of insufficient washing and identified two packages which required reshooting.

No violations or deviations were identified.

b. Welding

The SRI spot checked welder qualification cards, technique, sheets, weld wire requisitions and issued wire in the containment and auxiliary building.

No violations or deviations were identified.

c. Hydrostatic Testing of Reactor Pressure Vessel System

The reactor pressure vessel and attached piping to the first isolation valve, including the main steam piping to the turbine stop valves, was hydrostatically tested in accordance with the ASME BP&V Section III.

The SRI witnessed the test and followed one of the six inspection teams examining welds at pressure to observe thoroughness and methodology.

The SRI was impressed with the number and caliber of personnel on hand for the test and the conscientious effort demonstrated on this test. The test was accepted by the Authorized Nuclear Inspector (ANI).

No violations or deviations were identified.

5. Concrete Placement

The containment shield building dome was completed during the inspection period. The dome was completed in five individual concentric placements over a 19-day interval. The SRI witnessed the first of these placements. Forms were clean, manning and supervision were appropriate, quality control personnel were present in force and were conscientious regarding concrete conditions throughout the placement. The licensee's concrete quality assurance consultant was present throughout the entire placement.

No violations or deviations were identified.

6. Electrical Cable Installation

The SRI continues to follow the evaluation and resolution of licensee identified deficiency report 177 regarding the neutron monitoring system cables. The licensee's contractors, S&W and General Electric (GE), are still evaluating the acceptability of the cable as installed to perform its design function. To date there have been nine nonconformance reports written against this particular cable pull.

7. Exit Interview

The SRI met with licensee representatives denoted in paragraph 1, on May 16, 1984. At this meeting the SRI summarized the purpose and the scope of the inspection and the findings.