UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W. SUITE 3100
ATLANTA, GEORGIA 30303

Report No. 50-416/81-33.

Licensee: Mississippi Power and Light Company
Jackson, MS

Facility Name: Grand Gulf

Docket No. 50-416

License No. CPPR-118

Inspection at Grand Gulf site near Port Gibson, MS

Inspector: H. L. Whitmire /for 9-22-81
A. H. Johnson Date Signed

Approved by: H. L. Whitmire /for 9-22-81
P. T. Burnett, Acting Section Chief Date Signed
Engineering Inspection Branch
Engineering and Technical Inspection Division

SUMMARY

Inspection on August 25-28, 1981

Areas Inspected

This routine, unannounced inspection involved 24 inspector-hours on site in the areas of preoperational test procedure review and preoperational test witnessing.

Results

Of the two areas inspected, no violations or deviations were identified.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

*G. B. Rogers, Site Manager
*C. R. Hutchinson, Startup Manager
*J. W. Yelverton, QA Supervisor
*J. C. Roberts, Startup Supervisor
*J. C. Bell, QA Representative

Other licensee employees contacted included startup engineers, shift supervisors, technicians, and operators.

NRC Resident Inspector

*A. G. Wagner

*Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on August 28, 1981 with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Inspection Findings

Not inspected.

4. Unresolved Items

Unresolved items are matters about which more information is required to determine whether they are acceptable or may involve violations or deviations. A new unresolved item identified during this inspection is discussed in paragraph 5.a.

5. Preoperational Test Procedure Review and Test Witnessing

a. High Pressure Core Spray (HPCS) System

The inspector reviewed and witnessed the conduct of portions, including core spray injection, of preoperational test procedure IE22PT01 Rev. 1, High Pressure Core Spray System.

(Open) LII 416/81-33-01: During the HPCS test witnessing of August 25 and 26, 1981, the licensee QA representative observed that the Division III (HPCS) diesel generator was being operated under system run-in

without an approved operating procedure present. This is contrary to Startup Manual (SUM) 5000, Rev. 5, paragraph 4.5.4.2 which states in part, that the Test Supervisor shall use approved procedures, i.e. operating, test, technical manual, etc., to conduct this system run-in; he may deviate from these procedures when required to accomplish the required run-in. These deviations will be recorded in the Test Supervisor's Log. A Corrective Action Request (CAR No. 369) was issued by Field Quality Assurance (QA). This licensee identified item (LII) will remain open pending resolution of CAR No. 369.

(Open) Unresolved Item 416/81-33-02: The inspector observed that the preoperation HPCS test procedure steps 7.8.1.2 and 7.8.19, which reference system operating instruction, SOI-04-1-01-P81-1, High Pressure Core Spray (HPCS) Diesel Generator, were signed as being completed on August 21, 1981. These steps included parallel and return to normal operation status. As stated above, the LII CAR No. 369, identified that the HPCS diesel generator was being operated under system run-in without an approved operating procedure present. On August 27, 1981, the inspector observed that HPCS test procedure step 7.9.15 was completed and signed off. The licensee had changed this step (7.9.15) on August 26, 1981, using Temporary Change Notice (TCN) No. 20. and making an on-the-spot change from "HPCS Diesel Generator is in standby, ready for auto start per SOI-04-1-01-P81-1" to read "HPCS Diesel Generator is ready for auto start". The TCN reason was given as "Establish minimum condition required". The in standby mode prerequisities of SOI-04-1-01-P81-1, require that a documented and Shift Supervisor reviewed manual valve lineup and electrical lineup be completed on the HPCS diesel generator. The inspector observed that these lineups were being completed on August 28, 1981, after the initial run in had been performed. The licensee stated, on August 28, 1981, that all of the above was caused by not having an approved operating procedure present, as identified by the licensees CAR No. 369. The inspector does not disagree with this licensee observation, however step 4.1.5.3 of SUM 5000, Rev. 5, states that if the functional or technical intent of the procedure is altered by a TCN, the affected test activities shall be halted pending the TCN resolution. Such TCN's will be reviewed and approved as the original procedure. This is in lieu of making on-the-spot changes as per 4.1.5.1.2 of SUM 5000, Rev. 5 which states that if the functional or technical intent of the procedure is not altered by minor or obvious changes such as typographical errors, descriptive errors, etc., the test supervisor may make an on-the-spot change using a TCN.

Further, step 4.1.1.8 states that where practical during procedure preparation, approved operating, emergency, and abnormal procedures will be used in test procedures. The use of the approved procedures is intended to do the following:

a. Prove the specific procedure is correct and/or identify changes which may be required.

b. Provide training of plant personnel in the use of these procedures.

c. Increase the level of knowledge of plant personnel on the system being tested.

The question of did the deleting of a reference to an operating procedure(by making an on-the-spot TCN to a preoperational test procedure step) change the functional intent, when that procedure step directs plant operations into verifying that the operating procedure has been performed and is adequate for the system identified, will be carried as an unresolved item, pending further inspection of other on-the-spot TCNs used in the performance of preoperational tests.

b. Low Pressure Core Spray (LPCS) System

The inspector reviewed and witnessed the conduct of portions of preoperational test procedure 1E21PT01, Rev. 1, Low Pressure Core Spray System, including core spray injection.

c. Residual Heat Removal (RHR) System

The inspector reviewed and witnessed the conduct of portions of preoperational test procedure IE12PT01, Rev. 1, Residual Heat Removal System, including core injection.

d. Reactor Core Isolation Cooling (RCIC) System

The inspector reviewed portions of preoperational test procedure IE51PT01, Rev. 1, Reactor Core Isolation Cooling.

No violations or deviations were identified.