



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

APR 25 1984

Report No.: 50-416/84-12

Licensee: Mississippi Power and Light Company
 Jackson, MS 39205

Docket No.: 50-416

License No.: NPF-13

Facility Name: Grand Gulf

Inspection at Grand Gulf site near Port Gibson, Mississippi

Inspectors: *H. Krug* 23 APR 84
 for D. Falconer Date Signed
H. Krug 23 APR 84
 for C. Hehl Date Signed
 Approved by: *H. Krug* 23 APR 84
 H. Krug, Acting Section Chief Date Signed
 Operational Programs Section
 Division of Reactor Safety

SUMMARY

Inspection on April 9 - April 13, 1984

Areas Inspected

This routine, unannounced inspection involved 50 inspector-hours on site in the area of the shift advisor program.

Results

In the area inspected, no violations or deviations were identified.

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REPORT DETAILS

1. Persons Contacted

Licensee Employees

- #*J. Cross, Plant Manager
- *R. Rogers, Assistant Plant Manager
- #L. Robertson, Operations Superintendent
- *R. Fron, Technical Assistant
- G. Lhamon, Operations Training Supervisor
- #*J. Bailey, Compliance Coordinator
- T. Mayfield, Simulator Instructor

Other licensee employees contacted included shift advisors, shift superintendents, shift supervisors, and shift operators.

NRC Resident Inspector

- *A. G. Wagner

*Attended exit interview on April 11, 1984

#Attended exit interview on April 13, 1984

2. Exit Interview

The inspection scope and findings were summarized on April 11, 1984 and April 13, 1984, with those persons indicated in paragraph 1 above. The licensee acknowledged the inspection findings.

3. Licensee Action on Previous Enforcement Matters

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. Shift Advisor Program

Grand Gulf Unit 1, License NPF-13 condition 2.C.37 requires that "at least one individual on each operating shift have substantive previous BWR operating experience, including startup and shutdown of a BWR and under conditions that one might expect to encounter during the initial startup and power escalation at the Grand Gulf plant." The requirement further states that the individual need not be licensed on the Grand Gulf unit and need not be a licensee employee and that the individual shall remain in place until the plant achieves and demonstrates full power operation.

To meet this requirement, the licensee has contracted personnel with previous BWR experience, trained them in Grand Gulf plant specifics and designated them as shift advisors. Currently, five shift advisors have been certified.

Program Compliance

By letter to the Office of Nuclear Regulatory Regulation (NRR) dated March 30, 1984, the licensee provided information concerning shift advisor certification, training and experience used to ensure that the requirements of license condition 2.C.37 have been met. As stated, shift advisors were required to have had at least three years of licensed operator experience with a minimum of one year of Senior Reactor Operator (SRO) experience.

Also, in addition to General Employee Training (GET) and Radiation Worker Training, shift advisors were required to successfully complete the following training program:

- a. One day of Emergency Assessment and Preparedness training.
- b. Three weeks of self study systems training designed to place an emphasis on Grand Gulf safety systems and the differences between a BWR-4 and BWR-6.
- c. Seven days of shift advisor training covering the simulator, administrative procedures, technical specifications and mitigation of core damage.
- d. Two weeks of hands-on simulator training devoted to the areas of power ascension procedures and identification of, response to and recovery from plant transients.

Finally, shift advisors were required to undergo an evaluation and oral examination by the Operator Training Evaluation Committee (OTEC). The OTEC evaluation consisted of experience verification and training history review. Deficient areas were identified and retested by written examination. The conclusion of the evaluation consisted of an oral examination by the committee to certify shift advisor qualification.

The inspector verified during the review of OTEC evaluation documents and shift advisor resumes that the five shift advisors met the minimum experience requirements.

The inspector reviewed training records and completed examinations to verify that the five shift advisors had successfully completed the shift advisor training program as described in the March 30, 1984 letter. The inspector identified one shift advisor who had not completed the described training program. The inspector determined that for the portion of the shift advisor training not accomplished, the shift advisor had received equivalent training as an instructor with the Grand Gulf training center.

Furthermore, the inspector verified that each shift advisor had successfully completed an OTEC evaluation and oral examination.

Within the area inspected no violations or deviations were identified.

Program Evaluation

The inspector performed an evaluation of the licensee's program for training of shift advisors and the methods which the licensee used to examine these advisors and determine the adequacy of their training and experience. The specific job description for shift advisors was delineated in the licensee letter to NRR dated February 20, 1984. The training given shift advisors and a description of the methods used to examine shift advisors are contained in the licensee's March 30, 1984 letter. During the conduct of this evaluation, the inspector reviewed training documentation and conducted interviews with plant management, shift advisors, operating and training personnel.

Based on these record reviews and interviews, the inspector determined that, considering the experience levels of the designated shift advisors, the training provided appears adequate to support the envisioned advisory role.

A review of the licensee's program for maintaining the proficiency of shift advisors throughout the commitment period identified the following potential program deficiencies:

- a. Shift advisors were not required to participate in the licensee's required reading program. The required reading program is the mechanism for ensuring that licensed operators and senior operators are cognizant of system design changes, procedure changes and significant facility and industry events. Interviews with the shift advisors determined that, although not a requirement, they generally read the required reading material. Nevertheless, the absence of a programmatic requirement that the shift advisor participate in the required reading program could potentially reduce their effectiveness.
- b. Shift advisors were not required to participate in the full "fifth week training" (requalification training) with his assigned shift. The licensee's "fifth week training" is periodic operating shift training, conducted every fifth week under current shift rotation, and is the licensee's vehicle for administering the licensed operator requalification program. Shift advisors were only required to take the simulator portion of this training. Limiting the shift advisor to only simulator portions of this training severely restricts the amount and scope of shift advisor refresher training and could potentially reduce their effectiveness.

The above findings were discussed with the licensee and on April 12, 1984, a station memorandum was issued to include shift advisors in the required reading program and in the fifth week requalification training program.

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