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Alabama Power
the southern electric system

Docket No. 50-364

April 5, 1985

Dr. J. N. Grace
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II, Suite 3100
101 Marietta Street, N. W.
Atlanta, Georgia 30303

Joseph M. Farley Nuclear Plant - Unit 2
IE Bulletin 83-03

Gentlemen:

Pursuant to the requirements of IE Bulletin (IEB) 83-03, Alabama Power Company submitted its initial report on diesel generator cooling water check valve integrity to the Nuclear Regulatory Commission by letter dated June 10, 1983. This initial report provided a list of the affected check valves, initial valve integrity verification method, schedule for implementation and valve maintenance history. By letter dated November 17, 1983, Alabama Power Company provided a description of actions taken during the Unit 2 second refueling outage which was completed October 24, 1983. During this outage, the Service Water System Train A was drained and the three check valves (6 inch and 8 inch inlets and 12 inch outlet) were inspected. All valves were found to be in good operating condition with discs free to move in the fully open and shut positions. By letter dated June 1, 1984, Alabama Power Company reported that one degraded swing check valve (12 inch outlet) was found after inspection of all five (5) applicable check valves in Unit 1. Based on this finding, Alabama Power Company committed to inspect the remaining Unit 2 Train B check valves during the third refueling outage.

The Unit 2 third refueling outage began January 4, 1985 and was completed on March 20, 1985. During this outage, the Service Water System Train B was drained and the two remaining check valves (one 6 inch inlet and one 12 inch outlet) were inspected. All valves were found to be in good operating condition with discs free to move in the fully open and shut positions.

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Each valve was also disassembled and individual components were examined for evidence of wear or degradation similar to that described in the bulletin. The inlet check valve is the tilting disc type, which utilizes a disc with an integrally cast pivot arm. Since the disc is not retained by a fastener, loosening of the disc as noted in the bulletin cannot occur. The hinge pins and hinge arm bushings were inspected and no abnormal wear was noted. The outlet check valve is the swing check type. The fastener holding the disc to the pivot arm was found to be properly installed with no evidence of wear, degradation or loosening. The pivot arm and hinge pin components were inspected and no abnormal wear was noted. All internal parts of these two valves were removed from the valve bodies, cleaned and inspected. Following inspection, the valves were reassembled using original parts except for new cover gaskets and hinge pin gaskets.

With completion of the inspections described above, all diesel generator service water check valves in both units have been inspected pursuant to IEB 83-03. Therefore, this report completes Alabama Power Company's response to the bulletin. Future inspections of the service water system check valves which supply cooling water to the diesel generators in each unit will be made in accordance with the augmented Inservice Testing Program requirements described in Alabama Power Company's letter dated June 1, 1984.

Yours truly,

R. P. McDonald

RPM/STB:drs/D-354

cc: Mr. L. B. Long
Mr. S. A. Varga
Mr. E. A. Reeves
Mr. W. H. Bradford

Sworn to and subscribed before me
the 5th day of April, 1985.

James A Ripple
Notary Public

My commission expires: September 11, 1988