



November 17, 1995

0CAN119507

U. S. Nuclear Regulatory Commission
Document Control Desk
Mail Station P1-137
Washington, DC 20555

Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Notification of Completion of Station Blackout Diesel Testing Commitments

Gentlemen:

In a letter dated November 24, 1993 (0CNA119310), the NRC staff requested that Arkansas Nuclear One (ANO) submit written notification following completion of the one-time shutdown equipment load test of the new non safety-related diesel generator (alternate AC power source) in accordance with Part B.12 of NUMARC 87-00, "Guidelines and Technical Bases for NUMARC Initiatives Addressing Station Blackout at Light Water Reactors." The purpose of this submittal is to provide notification that the ANO-2 testing for the alternate AC diesel generator was successfully completed during the recently completed eleventh refueling outage (2R11). This testing included the tests described in NUMARC 87-00, section 7.1.2 and Part B.12.

The following testing was completed during 2R11:

a) Design Load Test

This test demonstrated the ability of the generator and excitation system to accept the most severe electrical load without experiencing instability resulting in generator voltage collapse, or evidence of the inability of the voltage to recover. This test also demonstrated that sufficient engine torque is available to prevent engine stall and to permit the engine speed to recover when experiencing the most severe load requirement.

b) NUMARC 87-00 Rev 1 Initial Test

This functional test demonstrated the entire system by simulating a station blackout. During this test all the loads on the safety bus were secured and the bus de-energized.

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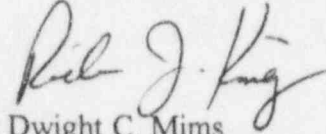
The control room personnel were notified that a station blackout had been declared and to energize the selected safety bus from the alternate AC diesel. The operators started and aligned the alternate AC diesel within the 10 minute acceptance criterion.

This test demonstrated that all facets of the alternate AC diesel generator have been successfully incorporated into the station procedures and that if a station blackout were to occur ANO is able to respond as required.

The testing performed during the 2R11 refueling outage completes ANO's commitments regarding the testing program for the alternate AC diesel as committed in our letter to the NRC dated June 29, 1993 (OCAN069302). The ANO-1 portion of the testing program was completed during the 1R12 refueling outage earlier this year (ref. OCAN049512).

Should you have questions or comments, please contact me.

Very truly yours,



for Dwight C. Mims
Director, Nuclear Safety

DCM/dwb

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