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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

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SEP 7 1984

Docket No. 50-368

*Posted  
Amndt. 56  
to NPF-6*

Mr. John M. Griffin, Senior Vice President  
Energy Supply  
Arkansas Power & Light Company  
P. O. Box 551  
Little Rock, Arkansas 72203

Dear Mr. Griffin:

The Commission has issued the enclosed Amendment No. 56 to Facility Operating License No. NPF-6 for Arkansas Nuclear One, Unit No. 2 (ANO-2). This amendment is in response to your application dated March 28, 1984.

The amendment revises the Technical Specifications (TS) pertaining to the surveillance requirements for diesel generator testing. Specifically, the TS Surveillance Requirement 4.8.1.1.2.C.7 which reads, "Verifying that on a simulated loss of the diesel generator (with offsite power not available), the loads are shed from the emergency buses and that subsequent loading of the diesel generator is in accordance with design requirements." Your application for amendment was submitted in response to the NRC Generic Letter No. 83-30 dated July 21, 1983. In the letter, the NRC staff stated that the above surveillance requirement is not consistent with the provisions of General Design Criterion (GDC) 17, Regulatory Guide 1.108 and the NRC Standard Review Plans (SRPs) in that the above Surveillance Requirement goes beyond the single failure criterion, since it deals with operation of the diesel generator after a single failure (a loss of the diesel generator with offsite power not available) has occurred. At ANO-2, redundant diesel generators are provided to meet the single failure criterion with offsite power not available in accordance with GDC 17 and the NRC SRPs.

The change represents a relaxation in surveillance requirements for diesel generator testing. However, even with the deletion of the above surveillance requirement, the remaining surveillance requirements provide sufficient information to assess the status of the diesel generator with regard to degradation and its ability to serve as a standby (onsite) power supply. These requirements for periodic diesel generator testing include starting test, design load test (capacity), load rejection test, auto-start test, load acceptance test and functional test. Therefore, the results of this change, while relaxing the surveillance requirements for diesel generator testing, are clearly within the applicable acceptance criteria of the NRC SRPs.

Based on the above discussions and the fact that the proposed change is consistent with guidance provided in the NRC Generic Letter No. 83-30, we have determined that your proposed change is acceptable.

8409250082

**Arkansas Power & Light Company**

cc:

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Director, Division of Environmental  
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Little Rock, Arkansas 72201

Mr. John M. Griffin

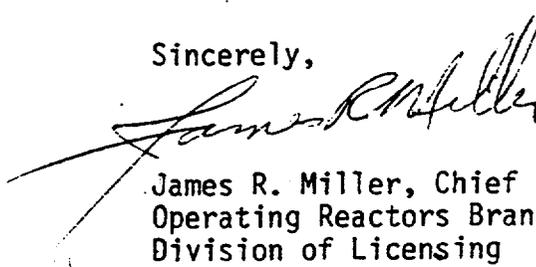
- 2 -

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

We have also concluded, based on the consideration discussed above, that: (1) there is reasonable assurance the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

The notice of issuance will be included in the Commission's next monthly Federal Register Notice.

Sincerely,



James R. Miller, Chief  
Operating Reactors Branch #3  
Division of Licensing

Enclosure:  
Amendment No. 56 to NPF-6

cc w/enclosure  
See next page

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555



ARKANSAS POWER & LIGHT COMPANY

DOCKET NO. 50-368

ARKANSAS NUCLEAR ONE, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 56  
License No. NPR-6

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Arkansas Power & Light Company (the licensee) dated March 28, 1984 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR part 51 of the Commission's regulations and all applicable requirements have been satisfied.

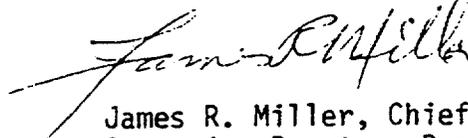
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-6 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 56, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, except where otherwise stated in specific license conditions.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



James R. Miller, Chief  
Operating Reactors Branch #3  
Division of Licensing

Attachment:  
Changes to the  
Technical Specifications

Date of Issuance: September 7, 1984.

ATTACHMENT TO LICENSE AMENDMENT NO. 56

FACILITY OPERATING LICENSE NO. NPF-6

DOCKET NO. 50-368

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The corresponding overleaf page is provided to maintain document completeness.

Remove Page

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Insert Page

3/4 8-4

## ELECTRICAL POWER SYSTEM

### SURVEILLANCE REQUIREMENTS (Continued)

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3. Verifying the fuel transfer pump can be started and transfers fuel from the storage system to the day tank.
  4. Verifying the diesel starts from ambient condition and accelerates to at least 900 rpm in  $\leq 15$  seconds.
  5. Verifying the generator is synchronized, loaded to 2850 Kw in  $\leq 60$  seconds, and operates for  $\geq 60$  minutes.
  6. Verifying the diesel generator is aligned to provide standby power to the associated emergency busses.
- b. At least once per 92 days by verifying that a sample of diesel fuel from the fuel storage tank obtained in accordance with ASTM-D270-65, is within the acceptable limits specified in Table 1 of ASTM D975-74 when checked for viscosity, water and sediment.
- c. At least once per 18 months during shutdown by:
1. Subjecting the diesel to an inspection in accordance with procedures prepared in conjunction with its manufacturer's recommendations for this class of standby service.
  2. Verifying that the automatic sequence time delay relays are OPERABLE at their setpoint  $\pm 10\%$  of the elapsed time for each load block.
  3. Verifying the generator capability to reject a load of  $> 596$  kw and maintain voltage at  $4160 \pm 500$  volts and Frequency at  $60 \pm 3$  Hz.
  4. Verifying the generator capability to reject a load of 2850 Kw without exceeding 75% of the difference between nominal speed and the overspeed trip setpoint, or 15% above nominal, whichever is lower.
  5. Simulating a loss of offsite power by itself, and:
    - a) Verifying de-energization of the emergency busses and load shedding from the emergency busses.

## ELECTRICAL POWER SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

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- b) Verifying the diesel starts from ambient condition on the auto-start signal, energizes the emergency busses with permanently connected loads, energizes the auto-connected shutdown loads through the time delay relays and operates for  $\geq 5$  minutes while its generator is loaded with the shutdown loads.
- 6. Verifying that on an ESF actuation test signal (without loss of offsite power) the diesel generator starts on the auto-start signal and operates on standby for  $\geq 5$  minutes.
  - 7. Deleted
  - 8. Simulating a loss of offsite power in conjunction with an ESF actuation test signal, and
    - a) Verifying de-energization of the emergency busses and load shedding from the emergency busses.
    - b) Verifying the diesel starts from ambient condition on the auto-start signal, energizes the emergency busses with permanently connected loads, energizes the auto-connected emergency (accident) loads through the load sequencer and operates for  $\geq 5$  minutes while its generator is loaded with the emergency loads.
    - c) Verifying that all diesel generator trips, except engine overspeed, lube oil pressure, and generator differential, are automatically bypassed upon a Safety Injection Actuation Signal.
  - 9. Verifying the diesel generator operates for at least 24 hours. During the first 2 hours of this test, the diesel generator shall be loaded to 3135 Kw and during the remaining 22 hours of this test, the diesel generator shall be loaded to 2850 Kw. Within 5 minutes after completing this 24 hour test, repeat Specification 4.8.1.1.2.c.4.