

February 17, 1988

Docket No. 50-298

Mr. George A. Trevors, Division
Manager - Nuclear Support
Nuclear Power Group
Nebraska Public Power District
Post Office Box 499
Columbus, Nebraska 68601

Dear Mr. Trevors:

SUBJECT: COOPER NUCLEAR STATION, AMENDMENT NO. 116 , TO FACILITY
OPERATING LICENSE NO. DPR-46 (TAC NO. 66486)

The Commission has issued the enclosed Amendment No. 116 to Facility Operating License No. DPR-46 for the Cooper Nuclear Station. This amendment consists of changes to the Technical Specifications in response to your application dated October 20, 1987 (Change Number - 27).

The amendment changes the Technical Specifications to revise the interval for performing the diesel generator periodic inspection from annually to 18 months.

A copy of the Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Bi-Weekly Federal Register Notice.

Sincerely,

WJ

William O. Long, Project Manager
Project Directorate - IV
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

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Enclosures:

- 1. Amendment No. 116 to License No. DPR-46
- 2. Safety Evaluation

cc w/enclosures:
See next page

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Mr. George A. Trevors
Nebraska Public Power District

Cooper Nuclear Station

cc:

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

NEBRASKA PUBLIC POWER DISTRICT
DOCKET NO. 50-298
COOPER NUCLEAR STATION
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 116
License No. DPR-46

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Nebraska Public Power District (the licensee) dated October 20, 1987, 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.

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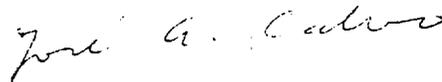
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-46 is hereby amended to read as follows:

(2) Technical Specification

The Technical Specifications contained in Appendix A, as revised through Amendment No. 116, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION



Jose A. Calvo, Director
Project Directorate - IV
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: February 17, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 116

FACILITY OPERATING LICENSE NO. DPR-46

DOCKET NO. 50-298

Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised area is indicated by a marginal line.

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3.9.A

4.9.A.2 (cont'd)

During the monthly generator test the diesel generator starting air compressor shall be checked for operation and its ability to recharge air receivers. The operation of the diesel fuel oil transfer pumps and fuel oil day tank level switches shall be demonstrated, and the diesel starting time to reach rated voltage and frequency shall be logged.

- b. Once every 18 months the condition under which the diesel generator is required will be simulated and a test conducted to demonstrate that it will start and accept the emergency load within the specified time sequence. The results shall be logged.
- c. Specification 4.9.A.2.c deleted.
- d. Once a month the quantity of diesel fuel available shall be logged.
- e. Every three months and upon delivery a sample of diesel fuel shall be checked for quality. The quality shall be within the acceptable limits specified in Table 1 of ASTM D975-68 for Nos. 1D or 2D and logged.
- f. At least once per 18 months, during shutdown, each diesel generator shall be given an inspection in accordance with instructions based on the manufacturer's recommendations.

3. 125 VDC Unit Batteries

- a. Every week, the following parameters shall be verified. The actual values shall be measured and logged:
 - 1. The total battery terminal voltage on float charge is equal to or greater than 125 volts,
 - 2. The electrolyte level of each pilot cell is between the minimum and maximum level indication marks,



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 116 TO FACILITY OPERATING LICENSE NO. DPR-46

NEBRASKA PUBLIC POWER DISTRICT

DOCKET NO. 50-298

1.0 INTRODUCTION

By letter dated October 29, 1987, the Nebraska Public Power District (the licensee) requested an amendment to Facility Operating License NO. DPR-46 for the Cooper Nuclear Station. The proposed amendment would change the Technical Specifications to lengthen the diesel generator inspection interval from annually to 18 months.

2.0 DISCUSSION

Cooper Nuclear Station has two 4000 KW Cooper-Bessemer diesel generators serving as sources of standby electric power for Engineered Safety Features. Paragraph 4.9.A.2.f of the Cooper Technical Specifications (TS) requires that each diesel generator be inspected annually in accordance with vendor recommendations. These inspections, in conjunction with other periodic tests, are intended to verify the operability and reliability of the diesel generators.

Because a diesel generator is rendered inoperable during the course of an inspection, it is desirable that the periodic inspections be conducted during refueling outages. At the time Cooper was licensed, the Cooper TS were written to reflect an expected annual refueling outage schedule. The TS therefore call for annual diesel testing. However, over recent years many facilities including Cooper have developed long operating cycles. The licensee has requested that the TS for diesel testing be extended to 18 months so that the diesels may be tested during refueling outages. The interval for diesel testing currently specified in the "Standard Technical specifications for BWRs", NUREG-0123, is 18 months. An 18 month interval permits the inspections to be conducted during refueling and is within the usual testing interval for such diesel generators. For the Cooper facility, the licensee contacted the diesel manufacturer to verify that, conducting the tests at 18 month intervals instead of 12 month intervals will not have an adverse affect on diesel reliability. The diesel engine vendor has stated that this action will have no adverse affect on the engines. The staff concurs in this statement. The proposed amendment is therefore acceptable.

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3.0 ENVIRONMENTAL CONSIDERATIONS

This amendment changes a requirement with respect to 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 the amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, the 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 the amendment.

4.0 CONCLUSION

We have concluded, based on the considerations discussed above, that (1) there is reasonable assurance that 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.

Date: February 17, 1988

Principal Contributor: William Long