



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

February 15, 1989

Docket No.: 50-414

Mr. H. B. Tucker, Vice President
Nuclear Production Department
Duke Power Company
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Tucker:

SUBJECT: ISSUANCE OF AMENDMENT NO. 53 TO FACILITY OPERATING LICENSE NPF-52 -
CATAWBA NUCLEAR STATION, UNIT 2 (TAC 68694)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 53 to Facility Operating License NPF-52 for the Catawba Nuclear Station, Unit 2. The amendment is being issued in response to your application dated May 24, 1988.

The amendment revises license condition 2.C.(11) to delete item 6 of Attachment 1, related to special inspections of Diesel Generator 2B main bearing number 7.

A copy of the related safety evaluation supporting Amendment No. 53 to Facility Operating License NPF-52 is enclosed.

Notice of issuance of the amendment will be included in the Commission's next bi-weekly Federal Register notice.

Sincerely,

Kahtan N. Jabbour

Kahtan N. Jabbour, Project Manager
Project Directorate II-3
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 53 to NPF-52
2. Safety Evaluation

cc w/enclosures:
See next page

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Kahtan N. Jabbour, Project Manager
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DATED: February 15, 1989

AMENDMENT NO. 53 TO FACILITY OPERATING LICENSE NPF-52 - Catawba Nuclear Station, Unit 2

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Catawba Nuclear Station

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

DUKE POWER COMPANY

NORTH CAROLINA MUNICIPAL POWER AGENCY NO. 1

PIEDMONT MUNICIPAL POWER AGENCY

DOCKET NO. 50-414

CATAWBA NUCLEAR STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 53
License No. NPF-52

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Catawba Nuclear Station, Unit 2 (the facility) Facility Operating License No. NPF-52 filed by the Duke Power Company acting for itself, North Carolina Municipal Power Agency No. 1 and Piedmont Municipal Power Agency, (licensees) dated May 24, 1988, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations as 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 set forth in 10 CFR Chapter I;
 - 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, Facility Operating License No. NPF-52 is hereby amended as follows:
 - A. Delete item 6 of Attachment 1 to the license.
3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



David B. Matthews, Director
Project Directorate II-3
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

Date of Issuance: February 15, 1989

- 2. Accordingly, Facility Operating License No. NPF-52 is hereby amended as follows:
 - A. Delete item 6 of Attachment 1 to the license.
- 3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

ls

David B. Matthews, Director
Project Directorate II-3
Division of Reactor Projects-I/II
Office of Nuclear Reactor Regulation

Date of Issuance: February 15, 1989

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KJabbour:ls
12/21/88

KNT
Yur
SPLB
for JCraig
12/27/88

C. Berlinger should cancel in lieu of c. cheng
EMTB
CYCheng
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OGC
1/26/88

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OGCB *CHB*
C. BERLINGER
1/23/89



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 53 TO FACILITY OPERATING LICENSE NPF-52

DUKE POWER COMPANY, ET AL.

CATAWBA NUCLEAR STATION, UNIT 2

DOCKET NO. 50-414

1.0 INTRODUCTION

By letter dated May 24, 1988, Duke Power Company, et al., (the licensee) requested that license condition 2.C.(11) of Catawba Unit 2 Facility Operating License, NPF-52, be amended to delete Item 6 of Attachment 1. This item requires special inspections of Diesel Generator (DG) 2B main bearing number 7. The NRC staff required these inspections because of two failures of this bearing during preoperational testing. In its letter dated February 19, 1986, the license attributed the first failure to a slight misalignment of the bearing during installation and lube oil contamination. The second failure appears to have been largely caused by improper installation of the bearing. Item 6 was included in Attachment 1 to license condition 2.C.(11) to ensure that measures taken by the licensee to prevent further recurrences were effective.

2.0 EVALUATION

In accordance with Item 6 of Attachment 1 to License Condition 2.C.(11), DG 2B main bearing number 7 was inspected during the Unit 2 first refueling outage after it had sustained 333 starts and 316 hours of operation from January 17, 1986, to December 30, 1987. The bearing was subjected to mechanical measurements and visual and liquid penetrant inspections. The measurements and the inspections showed that the bearing was in excellent condition.

Based on its review, the staff finds that operating experience and special inspection results have demonstrated the adequacy of the measures taken to ensure proper alignment of main bearing number 7. The licensee's proposed change has no adverse impact on safety and would not pose an undue risk to public health and safety. Therefore, it is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

The amendment involves changes to the installation or use of facility components located within the restricted area as defined in 10 CFR Part 20 and changes in surveillance requirements. 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 exposure. The NRC staff has made a determination that the amendment involves no significant hazards consideration, and there has been no public comment on such finding. Accordingly,

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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

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (53 FR 40984) on October 19, 1988. The Commission consulted with the state of South Carolina. No public comments were received, and the state of South Carolina did not have any comments.

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.

Principal Contributor: K. Jabbour, PDII-3/DRP-I/II

Dated: February 15, 1989