

November 25, 1987

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. 27 to Facility Operating License NPF-52 -  
Catawba Nuclear Station, Unit 2 (TAC 65723)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 27 to Facility Operating License NPF-52 for the Catawba Nuclear Station, Unit 2. This amendment is in response to your letter dated June 19, 1987.

The amendment updates and changes a license condition to allow an extension of time for the resolution of the accumulator tank instrumentation issue. The amendment is effective as of its date of issuance.

A copy of the related safety evaluation supporting Amendment No.27 to Facility Operating License NPF-52 is enclosed.

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

Sincerely,

151

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

Enclosures:

1. Amendment No. 27 to NPF-52
2. Safety Evaluation

cc w/enclosures: See next page

PDII-3/DRPI/II  
MDuncan/mac  
11/13/87

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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. 27  
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 June 19, 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 as set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, as amended, 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.
2. Accordingly, Facility Operating License No. NPF-52 is hereby changed as follows:
  - A. Change paragraph 2.C.(8)(a) to read as follows:

Regulatory Guide 1.97, Revision 2, Compliance (Section 7.5.2, SSER #4, SSER #5)

Prior to startup following the second refueling outage, Duke Power Company shall provide qualified accumulator discharge instrumentation.

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

FOR THE NUCLEAR REGULATORY COMMISSION

*[Handwritten mark]*

Kahtan N. Jabbour, Acting Director  
Project Directorate II-3  
Division of Reactor Projects I/II

Date of Issuance: November 25, 1987

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PDII-3/DRPI/II  
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11/24/87

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KJabbour  
11/13/87

*GL*  
AD/DRPII  
GLainas  
11/24/87

BC/ICSB/DEST  
Acting BC *VOJ*  
11/13/87 *FOR JLM*

*w/ change to SE*  
OGC-Bethesda  
*Woodhead*  
11/17/87



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 27 TO FACILITY OPERATING LICENSE NPF-52

DUKE POWER COMPANY, ET AL.

DOCKET NO. 50-414

CATAWBA NUCLEAR STATION, UNIT 2

INTRODUCTION

By letter dated June 19, 1987, Duke Power Company, et al., (the licensee) proposed that License Condition 2.C.(8)(a) of Facility Operating License NPF-52 be amended to allow an extension of time for the resolution of the accumulator tank instrumentation issue. The extension would be for one complete cycle of operation.

A two operating cycle extension for Catawba Unit 1 was previously approved by amendment 15, issued on October 6, 1986, to Facility Operating License NPF-35. The requested one cycle extension for Catawba Unit 2 would put both Units on approximately the same schedule for resolution of this issue and would allow the NRC staff additional time to complete its generic review.

EVALUATION

The proposed amendment would revise License Condition 2.C.(8)(a) of the Catawba Unit 2 license to allow an extension of time for the resolution of the accumulator tank instrumentation issue which is related to Generic Letter 82-33, "Supplement 1 to NUREG-0737, Requirements for Emergency Response Capability." It was also discussed in Section 7.5.2 of Supplement 5 to the Catawba Safety Evaluation Report (NUREG-0954) and is currently under staff review because of its generic implications.

The primary function of the accumulator pressure or level instrumentation is to monitor the pre-accident status of the accumulators to assure that the passive safety system is in a ready state to serve its safety function. The licensee stated that the accumulator tank level and pressure are not referenced in any emergency procedure covering design basis events which may cause a harsh environment. No operator actions in these procedures are based on accumulator indications and the present instrumentation is fully qualified to perform its function of pre-accident monitoring. Therefore, the staff concludes that extension of the date for upgrading the accumulator pressure or level instrumentation until startup following the second refueling outage is acceptable.

Based on the above discussion, the modified License Condition 2.C.(8)(a) would state that :

"Prior to startup following the second refueling outage, Duke Power Company shall provide qualified accumulator discharge instrumentation."

### ENVIRONMENTAL CONSIDERATION

The amendment involves a change in the use of facility components 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 exposures. 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, 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 this amendment.

### CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (51 FR 28375) on July 29, 1987, and 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 Contributors: Kahtan N. Jabbour, PDII-3/DRPI/II

Dated: November 25, 1987

50-414

DATED: November 25, 1987

AMENDMENT NO. 27 TO FACILITY OPERATING LICENSE NPF-52 - Catawba Nuclear Station, Unit 2

DISTRIBUTION:

Docket File 50-414

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