

Docket No. 50-413

January 24, 1986

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. 2 to Facility Operating License
NPF-35 - Catawba Nuclear Station, Unit 1

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 2 to Facility Operating License NPF-35 for the Catawba Nuclear Station, Unit 1. This amendment consists of changes to the Technical Specifications in response to your application dated August 28, 1985.

The amendment changes Technical Specifications to permit an exception to the experience requirements for six candidates for senior reactor operator licenses. Based on a telephone discussion on January 14, 1986, with Mr. Robert O. Sharpe of your company, the following words "for Unit 1" were inserted in the footnote on Page 6-6 to limit the applicability of the change to Catawba Unit 1 as you have requested. The amendment is effective as of its date of issuance.

A copy of the related safety evaluation supporting Amendment No. 2 to Facility Operating License NPF-35 is enclosed.

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

Sincerely,

15)

B. J. Youngblood, Director
PWR Project Directorate No. 4
Division of PWR Licensing-A

Enclosures:

- 1. Amendment No. 2 to NPF-35
- 2. Safety Evaluation

DISTRIBUTION:
See attached page

cc w/encl:
See next page

*SEE PREVIOUS PAGE FOR CONCURRENCES
 PWR#4:DPWR-A PWR#4/DPWR-A
 *MDuncan:kab *KJabbour
 01/03/86 01/08/86

DSH for
 PWR#4/DPWR-A
 BJYoungblood
 01/23/86

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 PDR ADOCK 05000413
 PDR

2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachments to this license amendment and Paragraph 2.C.(2) of Facility Operating License No. NPF-35 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 2, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. Duke Power Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

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B. J. Youngblood, Director
PWR Project Directorate No. 4
Division of PWR Licensing-A

Attachment:
Technical Specification Changes

Date of Issuance: January 24, 1986

MD
PWR#4/DPWR-A
MDuncan: kab
12/ /85
1/3/86

KNS
PWR#4/DPWR-A
KJabbour
~~12/ /85~~
1/8/86

OPLD
[Signature]
12/14/85
with change to
amendment,
3 EX, 2 notices
noted on copy.

DSH
PWR#4/DPWR-A
BJYoungblood
~~12/23/85~~
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January 24, 1986

AMENDMENT NO. 2 TO FACILITY OPERATING LICENSE NPF-35 -
CATAWBA NUCLEAR POWER STATION, UNIT 1

DISTRIBUTION: w/enclosures:

Docket No. 50-413
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Mr. H. B. Tucker
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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 ELECTRIC MEMBERSHIP CORPORATION
SALUDA RIVER ELECTRIC COOPERATIVE, INC.
DOCKET NO. 50-413
CATAWBA NUCLEAR STATION, UNIT 1
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 2
License No. NPF-35

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment to the Catawba Nuclear Station, Unit 1 (the facility) Facility Operating License No. NPF-35 filed by the Duke Power Company acting for itself, North Carolina Electric Membership Corporation and Saluda River Electric Cooperative, Inc., (licensees) dated August 28, 1985, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's 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 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 license amendment will not be inimical to the common defense and security or to the health and safety of the public;
 - 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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P PDR

2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachments to this license amendment and Paragraph 2.C.(2) of Facility Operating License No. NPF-35 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 2, and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. Duke Power Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION


B. J. Youngblood, Director
PWR Project Directorate No. 4
Division of PWR Licensing-A

Attachment:
Technical Specification Changes

Date of Issuance: January 24, 1986

ATTACHMENT TO LICENSE AMENDMENT NO. 2

FACILITY OPERATING LICENSE NO. NPF-35

DOCKET NO. 50-413

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

Amended
Page

6-6

Overleaf
Page

6-5

TABLE 6.2-1

MINIMUM SHIFT CREW COMPOSITION

POSITION	NUMBER OF INDIVIDUALS REQUIRED TO FILL POSITION	
	MODE 1, 2, 3, or 4	MODE 5 or 6
SS	1	1
SRO	1	None
RO	2	1
NEO	2	1
STA	1	None

- SS - Shift Supervisor with a Senior Operator license on Unit 1
- SRO - Individual with a Senior Operator license on Unit 1
- RO - Individual with an Operator license on Unit 1
- NEO - Nuclear Equipment Operator
- STA - Shift Technical Advisor

The Shift Crew Composition may be one less than the minimum requirements of Table 6.2-1 for a period of time not to exceed 2 hours in order to accommodate unexpected absence of on-duty shift crew members provided immediate action is taken to restore the shift crew composition to within the minimum requirements of Table 6.2-1. This provision does not permit any shift crew position to be unmanned upon shift change due to an oncoming shift crewman being late or absent.

During any absence of the Shift Supervisor from the control room while the unit is in MODE 1, 2, 3, or 4, an individual (other than the Shift Technical Advisor*) with a valid Senior Operator license shall be designated to assume the control room command function. During any absence of the Shift Supervisor from the control room while the unit is in MODE 5 or 6, an individual with a valid Senior Operator license or Operator license shall be designated to assume the control room command function.

*On occasion when there is a need for both the Shift Supervisor and the SRO to be absent from the control room, the STA shall be allowed to assume the control room command function and serve as the SRO in the control room provided that: (1) the Shift Supervisor is available to return to the control room within 10 minutes, (2) the assumption of SRO duties by the STA be limited to periods not in excess of 15 minutes duration and a total time not to exceed 1 hour during any 8-hour shift, and (3) the STA has a Senior Operator license on the unit.

ADMINISTRATIVE CONTROLS

6.2.3 CATAWBA SAFETY REVIEW GROUP

FUNCTION

6.2.3.1 The Catawba Safety Review Group (CSRG) shall function to examine plant operating characteristics, NRC issuances, industry advisories, REPORTABLE EVENTS, and other sources which may indicate areas for improving plant safety. The CSRG shall make detailed recommendations for revised procedures, equipment modifications, or other means of improving plant safety to the Director, Nuclear Safety Review Board.

COMPOSITION

6.2.3.2 The CSRG shall be composed of a chairman and at least four dedicated, full-time qualified individuals located onsite.

RESPONSIBILITIES

6.2.3.3 The CSRG shall be responsible for maintaining surveillance of plant activities to provide independent verification* that these activities are performed correctly and that human errors are reduced as much as practical.

RECORDS

6.2.3.4 Records of activities performed by the CSRG shall be prepared, maintained, and forwarded each calendar month to the Director, Nuclear Safety Review Board.

6.2.4 SHIFT TECHNICAL ADVISOR

6.2.4.1 The Shift Technical Advisor shall serve in an advisory capacity to the Shift Supervisor.

6.3 UNIT STAFF QUALIFICATIONS

6.3.1 Each member of the unit staff shall meet or exceed the minimum qualifications of ANSI N18.1-1971 for comparable positions, except for the Radiation Protection Manager, who shall meet or exceed the qualifications of Regulatory Guide 1.8, September 1975. The licensed Operators and Senior Operators shall also meet or exceed the minimum qualifications of the supplemental requirements specified in Sections A and C of Enclosure 1 of the March 28, 1980 NRC letter to all licensees.**

6.4 TRAINING

6.4.1 A retraining and replacement training program for the unit staff shall be maintained under the direction of the Station Manager and shall meet or exceed the requirements and recommendations of Section 5.5 of ANSI N18.1-1971 and Appendix A of 10 CFR Part 55 and the supplemental requirements specified in Sections A and C of Enclosure 1 of the March 28, 1980 NRC letter to all licensees, and shall include familiarization with relevant industry operational experience identified by the CSRG.

* Not responsible for sign-off function.

** Except that the experience and other considerations described in Duke Power Company's letter dated 28 August 1985 are acceptable for Unit 1 for the six applicants for SRO licenses identified therein.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 2 TO FACILITY OPERATING LICENSE NPF-35
CATAWBA NUCLEAR STATION, UNIT 1
DUKE POWER COMPANY
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION
SALUDA RIVER ELECTRIC COOPERATIVE, INC.

INTRODUCTION

By letter dated August 28, 1985, (addressed to Mr. H. R. Denton, NRR), Duke Power Company (the licensee) proposed to change the facility Technical Specifications to permit an exception to examination prerequisites for six candidates for senior reactor operator (SRO) licenses. These prerequisites are contained in a March 28, 1980 staff letter which is referenced in Technical Specifications Section 6.3, "Unit Staff Qualifications" and Section 6.4, "Training." By letter dated August 28, 1985 (addressed to Mr. B. A. Wilson, Region II), the licensee has identified the six SRO candidates and described the experience and training that qualify them for a waiver of the experience requirement in the examination prerequisites specified in Technical Specification 6.3.

EVALUATION

The NRC staff has reviewed the licensee's submittal dated August 28, 1985. The Technical Specifications Section 6.3, "Unit Staff Qualifications" and Section 6.4, "Training" require, among other things, that the licensee's unit operating staff meet or exceed the requirements specified in Sections A and C of Enclosure 1 to the NRC letter dated March 28, 1980. The requested amendment would permit waiver of the experience requirements contained in Section A. No change has been requested relating to the Requalification Programs contained in Section C. Section A of Enclosure 1 states in part that an applicant for senior reactor operator (SRO) license should have 4 years of responsible power plant experience and that this experience should be obtained as a control room operator in either fossil or nuclear power plants or as a power plant staff engineer. A maximum of two years of this experience may be fulfilled by academic or related technical training. This experience requirement is one of the guidelines established by the staff to implement a requirement in 10 CFR Part 55 of the Commission's rules that an applicant for an operator license provide evidence to the NRC that he or she has learned to operate the controls of the facility in a safe and competent manner. In general, the NRC requires that evidence of a combination of experience and training be provided in order to be deemed eligible to sit for an NRC examination. Although standard guidelines have been established in the NRC staff's March 28, 1980, letter, waivers may be granted on a case-by-case basis if the NRC staff determines that an equivalency to the standard guidelines exists.

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This determination is based upon an evaluation of the applicant's academic training, technical training relevant to reactor operation and work experience. Whether or not a waiver of part of the eligibility requirements is granted, all applicants for SRO licenses must pass an NRC administered SRO examination. Passing this examination, together with each applicant's academic training, technical training relevant to reactor operation and work experience relevant to reactor operation as well as control room experience, provides the staff with reasonable assurance that a candidate has sufficient knowledge to operate a nuclear reactor in a safe and competent manner.

The NRC staff has reviewed the training and experience of the six SRO candidates described in the licensee's August 28, 1985, letter. The six SRO candidates are highly trained at Catawba Unit 1, each has held a reactor operator license for more than one year and each was required to pass the SRO license examination. Each of the six candidates has a minimum of 6½ years of experience on-site at Catawba, during which each has been actively involved in preoperational testing and checkout, startup testing, and operator training. Catawba Unit 1, which received a fuel loading and precriticality testing license in July 1984, a low power license in December 1984, and a full power license in January 1985, has not been in operation long enough to provide an opportunity for these reactor operators to have 4 years of control room operating experience. However, each applicant's work-related experience and training more than offsets the amount by which his experience falls short of the stated guidelines. Based on this review, the staff finds that each of the six candidates has a combination of training and experience which is equivalent to that recommended in the standard guidelines of staff's March 28, 1980, letter.

The staff concludes that the guidelines recommending 4 years of responsible power plant experience can be waived for the six SRO candidates identified in the licensee's August 28, 1985, letter. The staff further concludes that the qualifications of each of these six candidates, as excepted from the staff guidelines, meet the experience requirements of 10 CFR 55.10(a)(6). Therefore, the exception to Technical Specification 6.3 is acceptable.

ENVIRONMENTAL CONSIDERATION

The amendment involves changes in administrative procedures or requirements in the license. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Section 51.22(c)(10). 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.

CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (50 FR 46212) on November 6, 1985, 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: B. Boger, Operator Licensing Branch, DHFT
T. Syzmanski, Operator Licensing Branch, DHFT
Kahtan N. Jabbour, PWR Project Directorate #4, DPWR-A

Dated: January 24, 1986