



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

September 30, 1998

50-413/414

See SER

Mr. Gary R. Peterson  
Site Vice President  
Catawba Nuclear Station  
Duke Energy Corporation  
4800 Concord Road  
York, South Carolina 29745-9635

SUBJECT: ISSUANCE OF AMENDMENTS - CATAWBA NUCLEAR STATION, UNITS 1  
AND 2 (TAC NOS. M95298 AND M95299)

Dear Mr. Peterson:

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 173 to Facility Operating License NPF-35, and Amendment No. 165 to Facility Operating License NPF-52, for the Catawba Nuclear Station, Units 1 and 2. The amendments are in response to your application dated May 27, 1997, as supplemented by letters dated March 9, March 20, April 20, June 3, June 24, July 7, July 21, August 8, September 8, and September 15, 1998. A copy of the associated Safety Evaluation covering both Catawba and McGuire is also enclosed.

The amendments reflect full conversion from your current Technical Specifications (TS) to a set of TS based on NUREG-1431, "Standard Technical Specifications -- Westinghouse Plants," Revision 1, dated April 1995. In addition, the NRC staff has reviewed and approved changes which, although included in your improved TS conversion submittals, were identified as being beyond the scope of the conversion.

The staff has added a license condition to Appendix D of the Unit 1 and Unit 2 operating licenses regarding surveillance requirements. The wording is similar to what you proposed in your letter dated September 15, 1998.

A second condition is also added to Appendix D. It authorizes the relocation of certain requirements from the TS to licensee-controlled documents, such as the Updated Final Safety Analysis Report. The relocated requirements are not required to be in the TS under 10 CFR 50.36 or do not meet any of the four criteria in the "NRC Final Policy Statement on Technical Specification Improvements for Nuclear Power Reactors," published on July 22, 1993 (58 FR 39132). The NRC staff has concluded that appropriate controls have been established for all of

DFOI 1/1

**NRC FILE CENTER COPY**

9810270350 980930  
PDR ADOCK 05000413  
P PDR

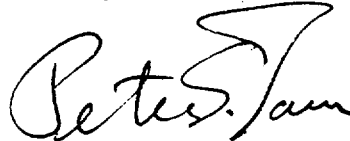
9810270350

CP-1

the current specifications, information, and requirements that are being relocated to licensee-controlled documents. Following implementation, the NRC may audit the relocated provisions to ensure that an appropriate level of control has been achieved.

A Notice of Issuance is also enclosed and has been forwarded to the Office of the Federal Register for publication.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter S. Tam". The signature is fluid and cursive, with the first name "Peter" and last name "Tam" clearly distinguishable.

Peter S. Tam, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

Enclosures:

1. Amendment No. 173 to NPF-35
2. Amendment No. 165 to NPF-52
3. Safety Evaluation
4. Notice of Issuance

cc w/encl: See next page

September 30, 1998

the current specifications, information, and requirements that are being relocated to licensee-controlled documents. Following implementation, the NRC may audit the relocated provisions to ensure that an appropriate level of control has been achieved.

A Notice of Issuance is also enclosed and has been forwarded to the Office of the Federal Register for publication.

Sincerely,

ORIGINAL SIGNED BY:

Peter S. Tam, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

Enclosures:

1. Amendment No. 173 to NPF-35
2. Amendment No. 165 to NPF-52
3. Safety Evaluation
4. Notice of Issuance

cc w/encl: See next page

**DISTRIBUTION**

w/Technical Specifications

Docket File  
PUBLIC  
GHill (4)

w/o Technical Specifications

PDII-2 Reading LPlisco, RII  
JZwolinski COgle, RII  
ACRS  
OGC  
WBeckner, TSB  
CHarbucks, TSB  
THarris (e-mail SE)

DOCUMENT NAME: G:\CATAWBA\CAT95298.AMD

*as revised at 18-19 of SE*

OFFICE	PDII-2/PM	PDII-2/LA	TSB	TSB/BC	OGC	PDII-2/D
NAME	P.TAM:cn	L.BERRY	C.HARBUCK	W.BECKNER	J.HULL	H.BERKOW
DATE	9/23/98	9/23/98	9/30/98	9/30/98	9/29/98	9/30/98
COPY	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

G. R. Peterson

- 2 -

September 30, 1998

the current specifications, information, and requirements that are being relocated to licensee-controlled documents. Following implementation, the NRC may audit the relocated provisions to ensure that an appropriate level of control has been achieved.

A Notice of Issuance is also enclosed and has been forwarded to the Office of the Federal Register for publication.

Sincerely,

ORIGINAL SIGNED BY:

Peter S. Tam, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

Enclosures:

1. Amendment No. 173 to NPF-35
2. Amendment No. 165 to NPF-52
3. Safety Evaluation
4. Notice of Issuance

cc w/encl: See next page

**DISTRIBUTION**

w/Technical Specifications

Docket File  
PUBLIC  
GHill (4)

w/o Technical Specifications

PDII-2 Reading LPlisco, RII  
JZwolinski COgle, RII  
ACRS  
OGC  
WBeckner,TSB  
CHaruck,TSB  
THarris (e-mail SE)

DOCUMENT NAME: G:\CATAWBA\CAT95298.AMD

*as revised at 18-19 of SE*

OFFICE	PDII-2/PM	PDII-2/LA	TSB	TSB/BC	OGC	PDII-2/D
NAME	P.TAM:cn	L.BERRY	C.HARBUCK	W.BECKNER	J.HULL	H.BERKOW
DATE	9/23/98	9/23/98	9/30/98	9/30/98	9/29/98	9/30/98
COPY	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

Catawba Nuclear Station

cc w/o Technical Specifications:

Mr. M. S. Kitlan (**w/Tech Specs**)  
Regulatory Compliance Manager  
Duke Energy Corporation  
4800 Concord Road  
York, South Carolina 29745

Mr. Paul R. Newton  
Legal Department (PB05E)  
Duke Energy Corporation  
422 South Church Street  
Charlotte, North Carolina 28201-1006

J. Michael McGarry, III, Esquire  
Winston and Strawn  
1400 L Street, NW  
Washington, DC 20005

North Carolina Municipal Power  
Agency Number 1  
1427 Meadowwood Boulevard  
P. O. Box 29513  
Raleigh, North Carolina 27626

County Manager of York County  
York County Courthouse  
York, South Carolina 29745

Piedmont Municipal Power Agency  
121 Village Drive  
Greer, South Carolina 29651

Ms. Karen E. Long  
Assistant Attorney General  
North Carolina Department of Justice  
P. O. Box 629  
Raleigh, North Carolina 27602

Elaine Wathen, Lead REP Planner  
Division of Emergency Management  
116 West Jones Street  
Raleigh, North Carolina 27603-1335

North Carolina Electric Membership  
Corporation  
P. O. Box 27306  
Raleigh, North Carolina 27611

Senior Resident Inspector (**w/Tech Specs**)  
U.S. Nuclear Regulatory Commission  
4830 Concord Road  
York, South Carolina 29745

Regional Administrator, Region II  
U. S. Nuclear Regulatory Commission  
Atlanta Federal Center  
61 Forsyth Street, S.W., Suite 23T85  
Atlanta, Georgia 30303

Virgil R. Autry, Director  
Division of Radioactive Waste Management  
Bureau of Land and Waste Management  
Department of Health and Environmental  
Control  
2600 Bull Street  
Columbia, South Carolina 29201-1708

L. A. Keller (**w/Tech Specs**)  
Manager - Nuclear Regulatory  
Licensing  
Duke Energy Corporation  
526 South Church Street  
Charlotte, North Carolina 28201-1006

Saluda River Electric  
P. O. Box 929  
Laurens, South Carolina 29360

Mr. Steven P. Shaver  
Senior Sales Engineer  
Westinghouse Electric Company  
5929 Carnegie Blvd.  
Suite 500  
Charlotte, North Carolina 28209

Catawba Nuclear Station

cc:

Mr. T. Richard Puryear  
Owners Group (NCEMC)  
Duke Energy Corporation  
4800 Concord Road  
York, South Carolina 29745

Richard M. Fry, Director  
Division of Radiation Protection  
North Carolina Department of  
Environment, Health, and  
Natural Resources  
3825 Barrett Drive  
Raleigh, North Carolina 27609-7721



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

DUKE ENERGY CORPORATION

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. 173  
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 Energy Corporation, acting for itself, North Carolina Electric Membership Corporation and Saluda River Electric Cooperative, Inc. (licensees), dated May 27, 1997, as supplemented by letters dated March 9, March 20, April 20, June 3, June 24, July 7, July 21, August 8, September 8, and September 15, 1998, 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.

9810270364 980930  
PDR ADDCK 05000413  
P PDR

9810270364

2. Accordingly, the license is hereby amended by page changes to the license and the Technical Specifications as indicated in the attachment to this license amendment, and paragraphs 2.C.(2) and 2.C.(24) of Facility Operating License No. NPF-35 are hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 173 , which are attached hereto, are hereby incorporated into this license. Duke Energy Corporation shall operate the facility in accordance with the Technical Specifications.

(24) Additional Conditions

The Additional Conditions contained in Appendix D, as revised through Amendment No. 173 , are hereby incorporated into this license. Duke Energy Corporation shall operate the facility in accordance with the Additional Conditions.

3. This license amendment is effective as of the date of its issuance and shall be implemented by January 31, 1999. The implementation of this amendment includes the addition of license conditions which are being added to Appendix D as part of this amendment.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Facility Operating License and  
Technical Specification Changes

Date of Issuance: September 30, 1998



ATTACHMENT TO LICENSE AMENDMENT NO. 173

FACILITY OPERATING LICENSE NO. NPF-35

DOCKET NO. 50-413

Replace "Appendix A" Technical Specifications and the associated Bases pages, in their entirety, with the attached Appendix A and Bases pages.

Remove

Insert

Appendix A  
Technical Specifications

Appendix A  
Technical Specifications

Bases

Bases

Replace the following pages of the Facility Operating License No. NPF-35 with the attached revised pages. The revised pages are identified by Amendment number and contain vertical lines indicating area of change.

Remove

Insert

Appendix D

Appendix D

APPENDIX D

ADDITIONAL CONDITIONS

FACILITY OPERATING LICENSE NO. NPF-35

Duke Energy Corporation shall comply with the following conditions on the schedules noted below:

<u>Amendment Number</u>	<u>Additional Condition</u>	<u>Implementation Date</u>
<del>159</del>	<del>This amendment requires the licensee to incorporate in the Updated Final Safety Analysis Report (UFSAR) certain changes to the description of the facility. Implementation of this amendment is the incorporation of these changes as described in the licensee's application dated March 7, 1997, as supplemented by letters dated April 2, 10, 16, 22, and 28, 1997, and evaluated in the staff's Safety Evaluation dated April 29, 1997. (Deleted by Amendment No. 164)</del>	<del>Next update of the UFSAR</del>
159	This amendment requires the licensee to use administrative controls, as described in the licensee's letter of March 7, 1997, and evaluated in the staff's safety evaluation dated April 29, 1997, to restrict the dose-equivalent iodine levels to 0.46 microCurie per gram (in lieu of the limit in TS Section 3.4.8.a), and to 26 microCurie per gram (in lieu of the limit of TS Figure 3.4-1), until this license condition is removed by a future amendment.	Immediately upon issuance of the amendment
173	The licensee is authorized to relocate certain requirements included in Appendix A to licensee-controlled documents. Implementation of this amendment shall include the relocation of these requirements to the appropriate documents, as described in the licensee's letters dated May 27, 1997, as amended by letters dated March 9, March 20, April 20, June 3, June 24, July 7, July 21, August 5, September 8, and September 15, 1998, and evaluated in the NRC staff's Safety Evaluation associated with this amendment.	All relocation to be completed by January 31, 1999.

Amendment No. 173

APPENDIX D

ADDITIONAL CONDITIONS

FACILITY OPERATING LICENSE NO. NPF-35 (Continued)

<u>Amendment Number</u>	<u>Additional Condition</u>	<u>Implementation Date</u>
173	<p>The schedule for the performance of new and revised surveillance requirements shall be as follows:</p> <p>For surveillance requirements (SRs) that are new in Amendment No. 173 the first performance is due at the end of the first surveillance interval that begins at implementation of Amendment No. 173. For SRs that existed prior to Amendment No. 173, including SRs with modified acceptance criteria and SRs whose intervals of performance are being extended, the first performance is due at the end of the first surveillance interval that begins on the date the surveillance was last performed prior to implementation of Amendment No. 173. For SRs that existed prior to Amendment No. 173, whose intervals of performance are being reduced, the first reduced surveillance interval begins upon completion of the first surveillance performed after implementation of Amendment No. 173.</p>	By January 31, 1999



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

DUKE ENERGY CORPORATION

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. 165  
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 Energy Corporation, acting for itself, North Carolina Municipal Power Agency No. 1 and Piedmont Municipal Power Agency (licensees), dated May 27, 1997, as amended by letters dated March 9, March 20, April 20, June 3, June 24, July 7, July 21, August 5, September 8, and September 15, 1998, 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.

2. Accordingly, the license is hereby amended by page changes to the license and the Technical Specifications as indicated in the attachment to this license amendment, and paragraphs 2.C.(2) and 2.C.(13) of Facility Operating License No. NPF-52 are hereby amended to read as follows:

(2) Technical Specifications

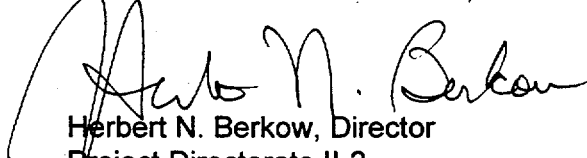
The Technical Specifications contained in Appendix A, as revised through Amendment No. 165 , which are attached hereto, are hereby incorporated into this license. Duke Energy Corporation shall operate the facility in accordance with the Technical Specifications.

(13) Additional Conditions

The Additional Conditions contained in Appendix D, as revised through Amendment No. 165 , are hereby incorporated into this license. Duke Energy Corporation shall operate the facility in accordance with the Additional Conditions.

3. This license amendment is effective as of the date of its issuance and shall be implemented by January 31, 1999. The implementation of this amendment includes the addition of license conditions which are being added to Appendix D as part of this amendment.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Facility Operating License and  
Technical Specification Changes

Date of Issuance: September 30, 1998

ATTACHMENT TO LICENSE AMENDMENT NO. 165

FACILITY OPERATING LICENSE NO. NPF-52

DOCKET NO. 50-413

Replace "Appendix A" Technical Specifications and the associated Bases pages, in their entirety, with the attached Appendix A and Bases pages.

Remove

Insert

Appendix A  
Technical Specifications

Appendix A  
Technical Specifications

Bases

Bases

Replace the following pages of the Facility Operating License No. NPF-52 with the attached revised pages. The revised pages are identified by Amendment number and contain vertical lines indicating area of change.

Remove

Insert

Appendix D

Appendix D

APPENDIX D

ADDITIONAL CONDITIONS

FACILITY OPERATING LICENSE NO. NPF-52

Duke Energy Corporation shall comply with the following conditions on the schedules noted below:

<u>Amendment Number</u>	<u>Additional Condition</u>	<u>Implementation Date</u>
<del>159</del>	<del>This amendment requires the licensee to incorporate in the Updated Final Safety Analysis Report (UFSAR) certain changes to the description of the facility. Implementation of this amendment is the incorporation of these changes as described in the licensee's application dated March 7, 1997, as supplemented by letters dated April 2, 10, 16, 22, and 28, 1997, and evaluated in the staff's Safety Evaluation dated April 29, 1997. (Deleted by Amendment No. 164)</del>	<del>Next update of the UFSAR</del>
159	This amendment requires the licensee to use administrative controls, as described in the licensee's letter of March 7, 1997, and evaluated in the staff's safety evaluation dated April 29, 1997, to restrict the dose-equivalent iodine levels to 0.46 microCurie per gram (in lieu of the limit in TS Section 3.4.8.a), and to 26 microCurie per gram (in lieu of the limit of TS Figure 3.4-1), until this license condition is removed by a future amendment.	Immediately upon issuance of the amendment
165	The licensee is authorized to relocate certain requirements included in Appendix A to licensee-controlled documents. Implementation of this amendment shall include the relocation of these requirements to the appropriate documents, as described in the licensee's letters dated May 27, 1997, as amended by letters dated March 9, March 20, April 20, June 3, June 24, July 7, July 21, August 5, September 8, and September 15, 1998, and evaluated in the NRC staff's Safety Evaluation associated with this amendment.	All relocation to be completed by January 31, 1999.

APPENDIX D

ADDITIONAL CONDITIONS

FACILITY OPERATING LICENSE NO. NPF-52 (Continued)

<u>Amendment Number</u>	<u>Additional Condition</u>	<u>Implementation Date</u>
165	<p>The schedule for the performance of new and revised surveillance requirements shall be as follows:</p> <p>For surveillance requirements (SRs) that are new in Amendment No. 165 the first performance is due at the end of the first surveillance interval that begins at implementation of Amendment No. 165. For SRs that existed prior to Amendment No. 165, including SRs with modified acceptance criteria and SRs whose intervals of performance are being extended, the first performance is due at the end of the first surveillance interval that begins on the date the surveillance was last performed prior to implementation of Amendment No. 165. For SRs that existed prior to Amendment No. 165, whose intervals of performance are being reduced, the first reduced surveillance interval begins upon completion of the first surveillance performed after implementation of Amendment No. 165.</p>	By January 31, 1999