

August 13, 2003

Mr. Michael S. Tuckman
Executive Vice President
Duke Energy Corporation
526 South Church St
Charlotte, NC 28201-1006

SUBJECT: WILLIAM B. MCGUIRE NUCLEAR STATION, UNITS 1 AND 2 AND CATAWBA
NUCLEAR STATION, UNITS 1 AND 2 RE: MIXED OXIDE LEAD FUEL
ASSEMBLIES (TAC NOS. MB7863, MB7864, MB7865, AND MB7866)

Dear Mr. Tuckman:

By letter dated February 27, 2003, you submitted applications for amendment to the operating licenses for McGuire Nuclear Station, Units 1 and 2 and Catawba Nuclear Station, Units 1 and 2. The proposed amendments would revise the Technical Specifications to allow the use of four mixed oxide fuel assemblies at either the Catawba or McGuire station. The Nuclear Regulatory Commission staff has reviewed the information provided and has determined that additional information is required as identified in the Enclosure.

We discussed these questions with your staff on August 13, 2003. Your staff indicated that a response to these issues could be provided by September 30, 2003. Please contact me at (301) 415-1493, if you have any other questions on these issues.

Sincerely,

/RA/

Robert E. Martin, Senior Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-369, 50-370, 50-413, and 50-414

Enclosure: Request for Additional Information

cc w/encl: See next page

August 13, 2003

Mr. Michael S. Tuckman
Executive Vice President
Duke Energy Corporation
526 South Church St
Charlotte, NC 28201-1006

SUBJECT: WILLIAM B. MCGUIRE NUCLEAR STATION, UNITS 1 AND 2 AND CATAWBA
NUCLEAR STATION, UNITS 1 AND 2 RE: MIXED OXIDE LEAD FUEL
ASSEMBLIES (TAC NOS. MB7863, MB7864, MB7865, AND MB7866)

Dear Mr. Tuckman:

By letter dated February 27, 2003, you submitted applications for amendment to the operating licenses for McGuire Nuclear Station, Units 1 and 2 and Catawba Nuclear Station, Units 1 and 2. The proposed amendments would revise the Technical Specifications to allow the use of four mixed oxide fuel assemblies at either the Catawba or McGuire station. The Nuclear Regulatory Commission staff has reviewed the information provided and has determined that additional information is required as identified in the Enclosure.

We discussed these questions with your staff on August 13, 2003. Your staff indicated that a response to these issues could be provided by September 30, 2003. Please contact me at (301) 415-1493, if you have any other questions on these issues.

Sincerely,

/RA/

Robert E. Martin, Senior Project Manager, Section 1
Project Directorate II
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-369, 50-370, 50-413, and 50-414

Enclosure: Request for Additional Information

cc w/encl: See next page

DISTRIBUTION:

PUBLIC OGC CHawes GGalletti LPlisco, RII RHaag, RII
PDII-1 R/F ACRS JNakoski DThatcher RMartin

Adams No. ML032250422

OFFICE	PDII-1/PM	PDII-1/LA	PDII-1/SC
NAME	RMartin:as	CHawes	JNakoski
DATE	08/13/03	08/13/03	08/13/03

OFFICIAL RECORD COPY

REQUEST FOR ADDITIONAL INFORMATION
ON APPLICATION FOR MOX LEAD TEST ASSEMBLIES

DUKE POWER COMPANY

WILLIAM B. MCGUIRE NUCLEAR STATION, UNITS 1 AND 2

DOCKET NOS. 50-369 AND 50-370

CATAWBA NUCLEAR STATION, UNITS 1 AND 2

DOCKET NOS. 50-413 AND 50-414

1. Section 3.5.4, "Quality Assurance," states, in part, that "Framatome ANP has the responsibility for the overall Quality Assurance (QA) oversight of the entire fuel assembly fabrication process" and that "Framatome ANP ultimately has the responsibility for certification of the finished fuel assemblies to Duke Power, thru DCS."
 - A. Given this oversight role of Framatome ANP, please describe the complete QA oversight process to be employed for the fuel fabrication process. Also, provide a copy of the relevant QA program and process plan to be implemented for that purpose.
 - B. Is a QA plan for assembly and certification of the fuel rods and assemblies being developed specifically for those activities?
2. Section 3.5.4, "Quality Assurance," states, in part, that "every sub-vendor who operates under the technical requirements by Framatome ANP will be qualified by Framatome ANP as an approved supplier."
 - A. Please identify the sub-vendors to be used for this effort. Will all sub-vendors operate under the technical requirements of Framatome ANP? If not, what alternate technical requirements will they use and how will they be qualified?
 - B. Please identify the manufacturer(s) of the fuel rods and assemblies, and the locations of manufacture of these components. Provide a detailed schedule for the manufacture of the fuel rods and assemblies. Is the manufacturer(s) required to perform its fabrication activities in accordance with the Framatome ANP QA program or is an alternate QA program(s) going to be used?
3. Section 3.5.4, "Quality Assurance," states, in part, that "Framatome ANP will verify that each of these vendors/facilities meets the requirements of 10 CFR 50 Appendix B. This verification may include quality system audits by Framatome ANP, review of audits performed by other Framatome ANP facilities from other regions, and/or surveillance audits by other approved Framatome ANP quality auditors."

- A. Please describe to what extent these three applicable review processes will be implemented to support the entire fuel rod and assembly fabrication process and the ultimate certification of the finished fuel.
- B. Please describe the method(s) to be use to identify, document, and resolve any discrepancies identified with the vendors/facilities as a result of the various verification processes described.
- C. Please describe how the results of these verification activities will be documented and retained in an auditable and retrievable manner.
- D. Will the reporting requirements of 10 CFR Part 21 be imposed on each of the vendors/facilities?

McGuire Nuclear Station
Catawba Nuclear Station

cc:

Ms. Lisa F. Vaughn
Legal Department (ECIIX)
Duke Energy Corporation
422 South Church Street
Charlotte, North Carolina 28201-1006

County Manager of Mecklenburg County
720 East Fourth Street
Charlotte, North Carolina 28202

Mr. Michael T. Cash
Regulatory Compliance Manager
Duke Energy Corporation
McGuire Nuclear Site
12700 Hagers Ferry Road
Huntersville, North Carolina 28078

Anne Cottingham, Esquire
Winston and Strawn
1400 L Street, NW.
Washington, DC 20005

Senior Resident Inspector
c/o U. S. Nuclear Regulatory
Commission
12700 Hagers Ferry Road
Huntersville, North Carolina 28078

Mr. Peter R. Harden, IV
VP-Customer Relations and Sales
Westinghouse Electric Company
6000 Fairview Road
12th Floor
Charlotte, North Carolina 28210

Dr. John M. Barry
Mecklenburg County
Department of Environmental
Protection
700 N. Tryon Street
Charlotte, North Carolina 28202

Mr. 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

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

Mr. C. Jeffrey Thomas
Manager - Nuclear Regulatory
Licensing
Duke Energy Corporation
526 South Church Street
Charlotte, North Carolina 28201-1006

NCEM REP Program Manager
4713 Mail Service Center
Raleigh, NC 27699-4713

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

McGuire Nuclear Station
Catawba Nuclear Station

cc:

Mr. Gary Gilbert
Regulatory Compliance Manager
Duke Energy Corporation
4800 Concord Road
York, South Carolina 29745

North Carolina Municipal Power
Agency Number 1
1427 Meadowwood Boulevard
P. O. Box 29513
Raleigh, North Carolina 27626-0513

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

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

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

Henry Porter, Assistant Director
Division of Waste Management
Bureau of Solid and Hazardous Waste
Department of Health and Environmental
Control
2600 Bull Street
Columbia, South Carolina 29201-1708

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

Senior Resident Inspector
4830 Concord Road
York, South Carolina 29745

Mr. Dhiaa Jamil
Vice President
Catawba Nuclear Station
Duke Energy Corporation
4800 Concord Road
York, South Carolina 29745

Mr. G. R. Peterson
Vice President
McGuire Nuclear Station
Duke Energy Corporation
2700 Hagers Ferry Road
Huntersville, North Carolina 28078