

DUKE POWER COMPANY REGION II  
ATLANTA, GEORGIA

POWER BUILDING

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August 22, 1980

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

TELEPHONE: AREA 704  
373-4083

Mr. James P. O'Reilly, Director  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Subject: McGuire Nuclear Station  
Docket No. 50-370

Reference: RII:NM  
50-370/80-9

Dear Mr. O'Reilly:

Please find attached our response to Items A, B and C as identified in Appendix A of the subject inspection report.

Duke Power Company does not consider any information contained in IE Inspection Report No. 50-370/80-9 to be proprietary.

Very truly yours,

*William O. Parker, Jr.*  
William O. Parker, Jr.

*WAP*

LJB:scs  
Attachment:

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DUKE POWER COMPANY  
MCGUIRE NUCLEAR STATION

Response to IE Inspection Report 370/80-09

ITEM A

As required by 10CFR 50, Appendix B Criterion V and Implemented by Duke Power Company's Topical Quality Assurance Report 1A, states in part "Activities affecting quality shall be prescribed by documented instructions, procedures or drawings, of a type appropriate to the circumstances." Duke's Topical Report 1A, Table 17.0-1 commits to Regulatory Guide 1.30 which endorses ANSI N45.2.4 paragraph 5.1.1 states in part "Inspections to verify correctness of installation shall include . . . verification of . . . tightness of connections . . . and termination." Instruction M41B, serial 15 is the procedure utilized by McGuire Nuclear Plant for inspection of cable terminations.

Contrary to the above, on June 26, 1980 the following items were identified:

1. Terminations in motor operated valves 2\*NM191B and 2\*NV142B were loose.
2. Instruction M41B, serial 15 is inadequate. It does not require inspection of terminations and connections for remote devices.

RESPONSE

1. The referenced terminations have been corrected and inspected. A new installation specification has been issued to address all Rotork operator terminations. All Rotork operators will be verified to be in compliance with this specification prior to October 2, 1980.
2. Instruction M-41B has been revised to require random inspection of termination of remote devices. Results of these inspections will be documented on the cable termination card.

ITEM B

As required by 10CFR 50, Appendix B, Criterion XI and implemented by the Duke Power Company's Topical Quality Assurance (QA) Program Report 1A requires that "A test program shall be established . . . performed in accordance with written test procedures . . . test results shall be documented and evaluated . . . ." The topical report states in table 17.0-1 that the QA program will conform to Regulatory Guide 1.30 which endorses ANSI N45.2.4. ANSI N45.2.4, paragraph 5.2 states in part "Surveillance of construction activities shall include tests performed in accordance with written test procedures."

Contrary to the above, on June 27, 1980 the licensee was performing a circuit test without a procedure.

RESPONSE

A procedure has been issued describing the specific methods to be used in the electrical checkout program. The acceptance of the construction checkout is also documented in accordance with procedure.

ITEM C

As required by 10CFR 50, Appendix B, Criterion V and implemented by Duke Power Company's Topical QA Report 1A, Section 17.1.5.2 states in part ". . . work performed on safety-related items be accomplished in accordance with the requirements imposed by specifications, drawings, codes . . ." M41B, Serial 14, Revision 4 is the instruction utilized by McGuire Nuclear Plant for the inspection and documentation of safety-related cable installation. Supplemental Inspection Instruction M41B Serial 14, Revision 4 requires that minimum bend radius be inspected. The minimum bend radius (MBR) for power cable is eight diameters as defined in M41B serial 14.

Contrary to the above, on June 27, 1980 the following item was identified:

A cable, in cable tray junction point 8935, was observed not to meet the minimum bending radius. The cable diameter was 1 1/2 inches, which required a 12 inch MBR. The cable bend radius was measured to be 10 inches. This cable was color coded as safety related and had been inspected during installation.

RESPONSE

It is felt that this item was an isolated incident. The cable bend radius in question has been corrected and reinspected.