

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

84 JUL 18 P 1: 25
July 13, 1984

TELEPHONE
(704) 373-4531

Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

Re: McGuire Nuclear Station
Docket Nos. 50-369, 50-370
IE Bulletin 84-02

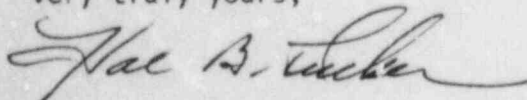
Dear Mr. O'Reilly:

Please find attached Duke Power Company's response to IE Bulletin 84-02 for McGuire Nuclear Station. This bulletin concerns failures of GE Type HFA relays in use in Class 1E Safety Systems.

In addition to the written report requested per Action Item 1d, the results of a generic review of the general concerns expressed in the bulletin were also to be provided. This review is still in progress and the results will be provided shortly after the completion of the investigation.

I declare under penalty of perjury that the statements set forth herein are true and correct to the best of my knowledge.

Very truly yours,



Hal B. Tucker

WHM/rhs

Attachment

cc: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. W. T. Orders
NRC Resident Inspector
McGuire Nuclear Station

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DUKE POWER COMPANY
McGUIRE NUCLEAR STATION
Response to IE Bulletin 84-02

Action Item 1a

Develop plans and schedules for replacing (1) nylon or Lexan coil spool-type HFA relays used in normally energized safety-related* applications and (2) nylon coil spool-type HFA relays used in normally de-energized safety-related applications. The replacement relays and any replacements made in the future should meet the requirements of the applicable IEEE standards. The replacement program for energized and de-energized relays should be performed on a "best efforts" basis during plant outages of sufficient duration. The entire replacement program should be completed within two years from the date of this bulletin.

The replacement schedule should consider the following recommended priority:

Nylon or Lexan normally energized in the reactor trip system
Nylon or Lexan normally energized in other safety-related applications
Nylon normally de-energized in the reactor trip system
Nylon normally de-energized in other safety-related applications

Response 1a

McGuire Nuclear Station does not use GE Type HFA relays as described in the bulletin, therefore, Item 1a does not require any action.

Action Item 1b

During the period before relay replacement, develop and implement surveillance plans that include:

- (1) Monthly functional tests of all reactor trip system normally energized relays that verify relay contacts change state when the relay coil is de-energized;
- (2) Visual inspections of all safety-related normally energized relays as soon as practical upon receipt of this bulletin. Thereafter, similar inspections should be accomplished in conjunction with the monthly functional test. These visual inspections should verify that relay coils are not deteriorating (e.g., inspect coil bobbins for visible cracks or melting), and should confirm cleanliness of the relay pole pieces.

Response 1b

McGuire Nuclear Station does not use GE Type HFA relays, therefore, this item is not applicable to McGuire.

Action Item 1c

Provide a basis for continuing operation for the period of time until the normally energized relays are replaced. This basis should include a discussion of those measures addressed in Items 1a and 1b and any other preventive and/or corrective measures taken or planned.

Response 1c

McGuire Nuclear Station does not use GE Type HFA relays, therefore, this item is not applicable to McGuire.