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 FACIL:50-369 William B. McGuire Nuclear Station, Unit 1, Duke Powe 05000369  
 50-370 William B. McGuire Nuclear Station, Unit 2, Duke Powe 05000370  
 AUTH.NAME AUTHOR AFFILIATION  
 TUCKER,H.B. Duke Power Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 DENTON,H.R. Office of Nuclear Reactor Regulation, Director  
 ADENSAM,E.G. Licensing Branch 4

SUBJECT: Discusses review of reactor trip sys per NRC request, Testing of Westinghouse DS-416 switchgear breakers resulted in no failures, Future maint & lubrication will be performed per Westinghouse manual. No Westinghouse DB-50 breakers used.

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The following information was obtained from the records of the  
 Department of the Interior, Bureau of Land Management, on  
 the subject of the proposed project. The project is located  
 in the State of California, and is situated on the  
 eastern slope of the Sierra Nevada Mountains. The project  
 is a large-scale development of land for agricultural  
 purposes. The project is situated on a large tract of  
 land which is owned by the State of California. The  
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Section	Area	Acres	Owner	Remarks
1	100	100	State of California	Proposed project site
2	200	200	State of California	Proposed project site
3	300	300	State of California	Proposed project site
4	400	400	State of California	Proposed project site
5	500	500	State of California	Proposed project site
6	600	600	State of California	Proposed project site
7	700	700	State of California	Proposed project site
8	800	800	State of California	Proposed project site
9	900	900	State of California	Proposed project site
10	1000	1000	State of California	Proposed project site
11	1100	1100	State of California	Proposed project site
12	1200	1200	State of California	Proposed project site
13	1300	1300	State of California	Proposed project site
14	1400	1400	State of California	Proposed project site
15	1500	1500	State of California	Proposed project site
16	1600	1600	State of California	Proposed project site
17	1700	1700	State of California	Proposed project site
18	1800	1800	State of California	Proposed project site
19	1900	1900	State of California	Proposed project site
20	2000	2000	State of California	Proposed project site

DUKE POWER COMPANY

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

HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

TELEPHONE  
(704) 373-4531

February 28, 1983

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief  
Licensing Branch No. 4

Re: McGuire Nuclear Station  
Docket Nos. 50-369, 50-370

Dear Mr. Denton:

In response to an NRC Staff request, a review of the McGuire reactor trip system was performed. Based on this review it was determined that the reactor trip switchgear breakers used at McGuire Nuclear Station are Westinghouse Type DS-416 breakers. These breakers are classified as nuclear safety-related and are tested and maintained as such. Previous testing of these breakers has resulted in no failures or indications of potential failures.

Westinghouse Instruction Book "Electrical Equipment of A-C Power Supply System for Nuclear Reactor Rod Controller" includes a section entitled, "Instructions for Low-Voltage Power Circuit Breakers Type DS-206, DS-416, and DS-532". Section 9.3 includes instructions for proper lubrication of the DS-416 type breaker after 500 cycles. Although the breakers for the McGuire units have not experienced this number of cycles to date, future maintenance and lubrication will be in accordance with the above manual.

In addition to the maintenance described above, both the shunt and undervoltage trip devices have been included in previous testing of these breakers. The requirement to continue this testing will be incorporated in the Technical Specifications upon issuance of the Unit 2 operating license.

A review of plant records has shown that no Westinghouse type DB-50 breakers are used at McGuire Nuclear Station in either safety related or non-safety related applications.

Please advise if there are additional questions regarding this matter.

Very truly yours,

*H. B. Tucker / BTU*  
Hal B. Tucker

GAC/php

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PDR ADOCK 05000369  
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Mr. Harold R. Denton, Director  
February 28, 1983  
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cc: Mr. James P. O'Reilly, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

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



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