

JAN 24 1974

Wisconsin Public Service Corporation  
ATTN: Mr. E. W. James  
Senior Vice President  
Power Generation & Engineering  
P. O. Box 1200  
Green Bay, Wisconsin 54305

Docket No. 50-305

Gentlemen:

Thank you for your letter dated January 15, 1974, which forwarded a report pursuant to 10 CFR 50.55(e). Your report will be reviewed and evaluated and, should we require additional information concerning this matter, we will contact you.

Your cooperation concerning this matter is appreciated.

Sincerely,

Original signed by  
J. G. Davis

John G. Davis, Deputy Director  
for Field Operations  
Directorate of Regulatory Operations

bcc: ~~RO:II, NCMoseley, w/o encl~~ *RO:II*  
PDR  
LPDR  
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*Keppeler*

OFFICE ▶	RO:FS/EB	RO:FS/EB,C	RO:DD/FO			<i>Misc</i>
SURNAME ▶	<i>Feb</i> SEBryan:das	<i>[Signature]</i> HDWomburg	<i>[Signature]</i> JGDavis			
DATE ▶	1/23/74	<i>1-23-74</i>	<i>1/23</i>			

WISCONSIN PUBLIC SERVICE CORPORATION



P.O. Box 1200, Green Bay, Wisconsin 54305

January 15, 1974

Dr. D. F. Knuth, Director  
Directorate of Regulatory Operations  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

Dear Dr. Knuth:

Subject: Docket 50-305  
Kewaunee Nuclear Power Plant  
4 KV Circuit Breakers

Per requirements of AEC Regulation 10 CFR 50.55(e), we submit the following:

Introduction

This letter is the final report and follow-up to our correspondence of August 30, September 11, October 9, and November 9, 1973, in which we described the problems experienced with the 4 KV circuit breakers. Final corrective action has been taken and completed on all items discussed in the above correspondences. The corrective actions are as follows:

A. Switch Housing

The corrective action taken was the replacement of the auxiliary switches in all forty-seven (47) breakers. The new switches are GE, Type SB-1, ten stage, five normally open and five normally closed contacts; part number 012831720G1. Linkages on all forty-seven (47) breakers were replaced, field alignments made, new brackets were installed to prevent lateral displacement and a dashpot was provided to absorb the impact caused by the vertical motion of the linkage. The vendor performed a test in his shop on a prototype switchgear assembly having the same modification as our switchgear. It was operated in excess of 2000 operations without any mechanical failures. Upon completion of field modifications, all breakers were tested for operability and inspected and no failures or problems were observed.

Dr. D. F. Knuth, Director

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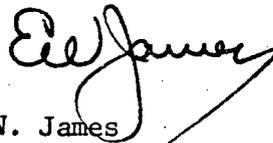
January 15, 1974

B. Cable Scuffing

The cables which were scuffed were replaced and new cable clamps were installed on all cables in all forty-seven breakers. The clamps are of such design as to eliminate the problem experienced with the plastic tie-down clamps.

We believe that the modifications which we have made to the 4 KV circuit breakers will prevent reoccurrence of the problems. Since we experienced no failure of breaker performance prior to the modification, we believe the modifications have improved the reliability and, as indicated in our last letter, we will perform periodic inspections of the breakers.

Very truly yours,



E. W. James  
Senior Vice President  
Power Generation & Engineering

EWJ:sna

cc - Mr. James G. Keppler, Region III