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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316  
 AUTH. NAME AUTHOR AFFILIATION  
 ALEXICH, M. P. Indiana & Michigan Electric Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 Record Services Branch (Document Control Desk)

SUBJECT: Informs that Valves 2-WMO-724 & 2-WMO-726 will not be removed from environmentally qualified equipment list contrary to 860530 ltr. Valves meet criteria for environmentally qualified equipment.

DISTRIBUTION CODE: A048D COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2  
 TITLE: OR/Licensing Submittal: Equipment Qualification

NOTES:

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ON 10/10/54, THE FOLLOWING INFORMATION WAS RECEIVED FROM THE  
ST. LOUIS OFFICE OF THE FBI: A TELEPHONE CALL WAS MADE  
TO THE ST. LOUIS OFFICE OF THE FBI ON 10/10/54, BY AN  
INDIVIDUAL WHO IDENTIFIED HIMSELF AS "JOHN DOE". THE  
INDIVIDUAL STATED THAT HE HAD INFORMATION CONCERNING THE  
ACTIVITIES OF A GROUP OF INDIVIDUALS WHO WERE ENGAGED IN  
SUBVERSIVE ACTIVITIES IN THE ST. LOUIS AREA. THE  
INDIVIDUAL STATED THAT HE HAD BEEN CONTACTED BY ONE OF  
THESE INDIVIDUALS AND HAD BEEN ASKED TO ASSIST THEM IN  
THEIR ACTIVITIES. THE INDIVIDUAL STATED THAT HE HAD  
REFUSED THE OFFER AND HAD REPORTED THE MATTER TO THE  
ST. LOUIS OFFICE OF THE FBI.

THE ST. LOUIS OFFICE OF THE FBI IS CURRENTLY  
CONDUCTING AN INVESTIGATION OF THE GROUP OF  
INDIVIDUALS MENTIONED IN THE ABOVE INFORMATION.  
THE ST. LOUIS OFFICE OF THE FBI IS REQUESTING  
YOUR OFFICE TO ASSIST IN THE INVESTIGATION.

YOUR OFFICE IS REQUESTED TO CONDUCT AN INVESTIGATION  
OF THE GROUP OF INDIVIDUALS MENTIONED IN THE ABOVE  
INFORMATION AND TO REPORT THE RESULTS OF THE  
INVESTIGATION TO THE ST. LOUIS OFFICE OF THE FBI.

DATE	TIME	LOCATION	PERSONS	ACTIVITIES	REMARKS
10/10/54	10:00 AM	ST. LOUIS	JOHN DOE	TELEPHONE CALL	ST. LOUIS OFFICE OF THE FBI
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# INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631  
COLUMBUS, OHIO 43216

January 21, 1987

AEP:NRC:0775AK  
10 CFR 50.49

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
ENVIRONMENTAL QUALIFICATION OF LIMITORQUE VALVES

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

Dear Sirs:

In our letter of May 30, 1986 we responded to issues raised during the NRC audit of our Electrical Equipment Environmental Qualification program. One of the issues concerned the results of our inspection of the internal wiring of Limitorque valve operator switches. This inspection was conducted because of reports that other utilities had found undocumented wire (potentially unqualified) inside the Limitorque switches. At the time of the audit of our Environmental Qualification Program we had found three valves (D. C. Cook Tag Nos. 2-WMO-714, 2-WMO-724, and 2-WMO-726) that contained undocumented wiring. As part of our inspection plan, these wires were replaced with qualified wire.

Following the discovery of the undocumented wiring, an assessment was made regarding the reportability of the event under the provisions of 10 CFR 50.73. Our judgement, based on the material which was reviewed at that time, was that these valves were not in an area which would be subjected to a harsh environment, as defined in 10 CFR 50.49, following an accident. Thus, they were not required to be environmentally qualified and were to be removed from the Master Environmentally Qualified Equipment List. This judgement was included as Attachment 8 to our letter of May 30, 1986 and it is also documented as Potential Enforcement/Unresolved Item No. 6 in Inspection Report Nos. 50-315/86015 and 50-316/86015. A subsequent letter, AEP:NRC:0775AH (dated August 27, 1986), and Inspection Report 50-315/86033 and 50-315/86033 also address this issue.

Since the time of the audit, we have been reevaluating the environmental conditions which would exist in the areas which could potentially be exposed to a high energy line break. Of particular concern was the fact that a steam leak resulting from a critical size crack could go undetected for a considerable time period. As a result of this review, which includes a preliminary calculation for the area in which valves 2-WMO-724 and 2-WMO-726 are located, we must change our previous conclusion for these two valves. (The conclusion remains valid for 2-WMO-714.)

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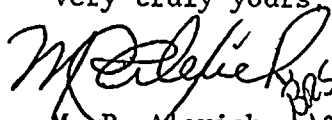
These two valves are located outside containment in the diesel generator pipe tunnel. This tunnel contains a four-inch steam line that supplies the turbine-driven auxiliary feedwater pump. Should a critical size crack develop in this piping section, it could go undetected for as long as eight hours because the area is patrolled only once per shift. During this time, the temperature would increase, and it is judged that the resulting conditions would meet the 10 CFR 50.49 definition of a harsh environment.

For this reason, these two valves will not be removed from the environmentally qualified equipment list. Since the replacement of the undocumented wires during March 1986, these valves have met the criteria for environmentally qualified equipment, and their qualification will be maintained following existing procedures.

This matter was discussed with both your staff and the NRC Region III staff. During the course of the discussion, we stated that we believed that the jumper wires were not unqualified, but only lacked qualification documentation. To substantiate this belief we intend to subject the undocumented jumper cables to the appropriate testing. The test program is currently under development. We anticipate that our plans and schedules for such testing will be complete by February 28, 1987.

This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,

  
M. P. Alexich  
Vice President  
1/21/87

cc: John E. Dolan  
W. G. Smith, Jr. - Bridgman  
R. C. Callen  
G. Bruchmann  
G. Charnoff  
NRC Resident Inspector - Bridgman  
J. G. Keppler - Region III