

DmB

## INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631  
COLUMBUS, OHIO 43216

December 28, 1983

AEP:NRC:0703B

Donald C. Cook Nuclear Plant Unit No. 1  
Docket No. 50-315  
License No. DPR-58  
IE BULLETIN NO. 82-02  
DEGRADATION OF THREADED FASTENERS IN THE RCPB

Mr. James G. Keppler, Regional Administrator  
U. S. Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Reference: Letter No. AEP:NRC:0703A dated April 4, 1983.  
Letter No. AEP:NRC:0703 dated June 30, 1982.

Dear Mr. Keppler:

This letter and its Attachment provide the report called for in Item 4 of the subject Bulletin. The information given in the Attachment pertains to Unit 1 of the Donald C. Cook Nuclear Plant. Previous responses to this Bulletin were provided as per the above referenced letters, and this letter is transmitted in fulfillment of the commitment in our letter AEP:NRC:0703A.

Very truly yours,



PEK  
M. P. Alexich  
Vice President

MPA/cam

Attachment

cc: John E. Dolan  
W. G. Smith, Jr. - Bridgman  
R. C. Callen  
G. Charnoff  
E. R. Swanson, NRC Resident Inspector - Bridgman

8401130270 831228  
PDR ADOCK 05000315  
Q PDR

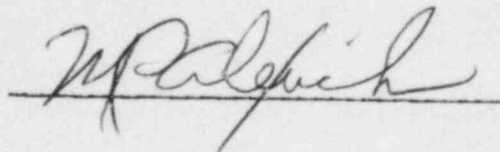
DEC 30 1983

IE/11

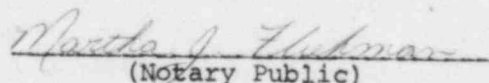
STATE OF OHIO

COUNTY OF FRANKLIN

M. P. Alexich, being duly sworn, deposes and says that he is the Vice President of Licensee Indiana & Michigan Electric Company, that he has read the foregoing report required by Item 4 of the NRC IE Bulletin No. 82-02, "Degradation of Threaded Fasteners in the Reactor Coolant Pressure Boundary of PWR Plants," and knows the contents thereof; and that said contents are true to the best of his knowledge and belief.



Subscribed and sworn to before me this 28<sup>th</sup> day of December, 1983.

  
(Notary Public)

MARTHA J. FLIEHMAN  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES APRIL 28, 1987

Attachment to AEP:NRC:0703B

This attachment provides the report requested in Item 4 of IE Bulletin No. 82-02 for Unit 1 of the Donald C. Cook Nuclear Plant.

Response to Item 4.a

Procedures for the items applicable to IE Bulletin 82-02 were reviewed for adequacy and were updated wherever necessary as noted in our letter No. AEP:NRC:0703A dated April 4, 1983.

Response to Item 4.b

During the most recent Unit 1 Refueling Outage, the following bolted closures, identified under the scope of this Bulletin, have been examined as required by Action Item 2 of the Bulletin:

- 1) Reactor Vessel Closure Studs,
- 2) Pressurizer Manway Bolts,
- 3) Steam Generator Primary Manway Bolts on #11, #12, #13, and #14 Steam Generators,
- 4) SI-170L3, 10 inch Darling Check Valve on the Safety Injection line to Loop 3, and
- 5) Pressurizer Safety Valve studs on Valves SV-45A, B, and C.

Response to Item 4.c

The following are the details on the results of the bolt inspections:

1) Reactor Vessel Closure Studs

NDE was performed on all 54 reactor vessel closure studs per Action Item 2. No relevant indications were found and all inspection results were acceptable.

2) Pressurizer Manway Bolts

NDE was performed on the 16 Pressurizer Manway Bolts. NDE included visual inspection and magnetic particle inspection as required per Action Item 2. All NDE results were acceptable.

3) Steam Generator Primary Manway Bolts

a) Steam Generator #11

NDE was performed on #11 Steam Generator Primary Manway Bolts. The NDE included VT and MT examinations as required per Action Item 2. One bolt was rejected due to thread damage. One bolt was misplaced. The damaged bolt was discarded and 2 new bolts were installed after being accepted by VT and MT examinations.

b) Steam Generator #12

NDE was performed on #12 Steam Generator Primary Manway Bolts. The NDE included VT and MT examinations as required per Action Item 2. All results were acceptable.

c) Steam Generator #13

NDE was performed on #13 Steam Generator Primary Manway Bolts. The NDE included VT and MT examinations as required per Action Item 2. All results were acceptable.

d) Steam Generator #14

NDE was performed on #14 Steam Generator Primary Manway Bolts. The NDE included VT and MT examinations as required by Action Item 2. One bolt was rejected due to partial loss of threads. This bolt was discarded and replaced with a new bolt. The new bolt was accepted by VT and MT examinations.

The threads were chased on all four Steam Generator Manway Bolts and lubricated with an approved lubricant prior to installation.

4) SI-170L3, 10 Inch Darling Check Valve

NDE was performed on all 16 bonnet studs on SI-170L3. The NDE included VT and MT examinations as required by Action Item 2. Two studs were rejected due to damaged threads. These two studs were discarded. Two new studs were installed after being accepted by VT and MT examinations.

5) Pressurizer Safety Valve Studs, Valves SV-45A, B, & C

The Pressurizer Safety Valve Studs (SV-45A, B, & C) identified under the scope of this Bulletin, have been examined as required by Action Item 2. NDE was performed on the 12 studs and 24 nuts for each Pressurizer Safety Valve, SV-45A, B, & C, incident to valve removals for testing and calibration during the December 1983 outage. No indications were discovered and all inspection results were acceptable.

The detailed inspection records are available for your review at the Cook Plant.