

# INDIANA & MICHIGAN ELECTRIC COMPANY

P. O. BOX 18  
BOWLING GREEN STATION  
NEW YORK, N. Y. 10004

April 4, 1983  
AEP:NRC:0703A

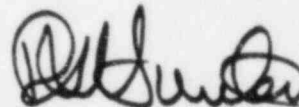
Donald C. Cook Nuclear Plant Unit No. 2  
Docket No. 50-316  
License No. DPR-74  
IE BULLETIN NO. 82-02  
DEGRADATION OF THREADED FASTENERS IN THE RCPB

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

Dear Mr. Keppler:

This letter and its Attachment provide the report called for in Item 4 of subject Bulletin. The information given in the Attachment pertains to Unit No. 2 of the Donald C. Cook Nuclear Plant. It is planned to perform a similar inspection, as required, for Unit No. 1 during the upcoming 1983 refueling outage.

Very truly yours,



R. S. Hunter  
Vice President

/os

cc: John E. Dolan - Columbus  
M. P. Alexich  
R. W. Jurgensen  
W. G. Smith, Jr. - Bridgman  
R. C. Callen  
G. Charnoff  
NRC Resident Inspector at Cook Plant - Bridgman

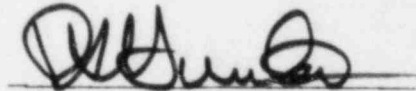
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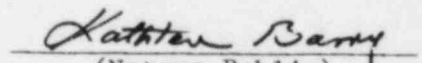
IE11

STATE OF NEW YORK )  
COUNTY OF NEW YORK)

R. S. Hunter, 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 5<sup>th</sup> day of April, 1983.

  
(Notary Public)

KATHLEEN BARRY  
NOTARY PUBLIC, State of New York  
No. 41-4606792  
Qualified in Queens County  
Certificate filed in New York County  
Commission expires March 30, 1985

Attachment to AEP:NRC:0703A

This Attachment provides the report requested in Item 4 of IE Bulletin No. 82-02 for Unit No. 2 of the Cook Plant.

Response to Item 4.a:

Procedures for the items applicable to IE Bulletin 82-02 were reviewed for adequacy. These procedures were updated, as deemed necessary, to fulfill the requirements of the Bulletin. A generic procedure, 12 MHP 5021.001.009. "Maintenance Procedure for Bolted Closures and Flanges" was developed as a supplement, if needed, to the above mentioned procedures.

In regards to the use of approved chemicals to minimize the possibility of SCC, PMI-2160 delineates the chemical requirements of any substances used in primary or safety related systems. A list of approved chemicals and cleaning agents is available for use at the plant site.

To the best of our knowledge and understanding of the requirements of Item 1, Item 1 is complete.

Response to Item 4.b:

During the recent refueling outage, the following bolted closures were examined as having been identified to be the ones falling under the scope of Item 2 of the Bulletin:

- 1) Reactor Vessel Head Closure Studs
- 2) Pressurizer Manway Bolts
- 3) Steam Generators No. 22 and No. 23 Primary Manway Bolts.

Response to Item 4.c:

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

- 1) Reactor Vessel Head Closure Studs

NDE was performed on Reactor Vessel Studs #1-#10, #12-#39, #40-A, and #41-#54. The NDE included visual inspection and magnetic particle inspection as required by Action Item 2. All NDE inspection results were found to be acceptable.

Reactor Vessel Stud #11 could not be removed from the Reactor Vessel flange. A UT-60 examination was performed in place, in lieu of VT and MT examinations. Inspection results were acceptable.

Reactor Vessel Stud #2 examination revealed the presence of indications. The indications were removed by filing and the results were found to be acceptable.

2) Pressurizer Manway Studs

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

3) Steam Generator Primary Manway Bolts

3a) Steam Generator No. 22

NDE was performed on the Primary Manway Bolts of Steam Generator No. 22. The NDE included VT and MT inspections as required by Action Item 2.

One bolt was rejected by VT for partial loss of threads. This bolt was discarded and replaced with a new bolt.

The threads were chased on all bolts prior to installation. Final NDE inspection results were acceptable.

3b) Steam Generator No. 23

NDE was performed on the Primary Manway Bolts of Steam Generator No. 23. The NDE include VT and MT inspections as required by Action Item 2.

The threads were chased on all bolts prior to installation. Final NDE inspection results were acceptable.

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