



An AEP Company

BOUNDLESS ENERGY™

Indiana Michigan Power  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
indianamichiganpower.com

March 3, 2026

AEP-NRC-2026-08  
10 CFR 21.21(d)(3)(ii)

Docket Nos.: 50-315  
50-316

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Unit 1 and Unit 2  
Part 21 30-day Notification

Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant Units 1 and 2 is providing, as the enclosure to this letter, the required written notification of a defect of a basic component in accordance with 10 CFR 21.21(d)(3)(ii). The enclosed notification pertains to a deficient Refurbishment Kit used for K-Line series 600V Breakers supplied by ABB Inc.

There are no commitments included in this submittal. Should you have any questions, please contact Mrs. Amanda M. Britton, Regulatory Affairs Director, at (269) 466-3468.

Sincerely,

A handwritten signature in black ink that reads "Kelly J. Ferneau".

Kelly J. Ferneau  
Chief Nuclear Officer

ALS/sjh

Enclosure: Part 21 Notification of ABB Inc. Refurbishment Kit used for K-Line series 600V Breaker

c: EGLE – RMD/RPS  
M. Shuaibi – NRC Region III  
NRC Resident Inspector  
N. Quilico – MPSC  
R. M. Sistevaris – AEP Ft. Wayne  
S. P. Wall, NRC Washington D.C.  
A. J. Williamson – AEP Ft. Wayne

**Enclosure to AEP-NRC-2026-08  
Part 21 Notification of ABB Inc.  
Refurbishment Kit used for K-Line series 600V Breakers**

1. Name and address of the individual or individuals informing the Commission.

Kelly J. Ferneau  
Chief Nuclear Officer  
Cook Nuclear Plant  
Indiana Michigan Power Company  
1 Cook Place  
Bridgman, MI 49106

2. Identification of the facility, the activity, or the basic component supplied for such a facility or such activity within the United States which fails to comply or contains a defect.

Cook Nuclear Plant (CNP) Unit 1  
Docket No. 50-315  
License No. DPR-58  
Cook Nuclear Plant Unit 2  
Docket No. 50-316  
License No. DPR-74  
Basic Component: Refurbishment Kit for K-Line series 600V Breakers

3. Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.

ABB Inc  
2300 Mechanicsville Road  
Florence, SC 29501  
Tel: 919-417-7651

4. Nature of the defect or failure to comply and safety hazard which is created or could be created by such defect or failure to comply.

The Refurbishment Kit for K-Line series 600V Breakers used as part of a regular preventative maintenance strategy, was supplied with an incorrect tension spring. The refurbishment kit was supplied with tension spring 650216E00 rather than tension spring 650216A00. Also, the incorrect spring, 650216E00, was in a bag labeled incorrectly as 650216A00.

The 650216E00 is a lighter spring and may not be capable of providing the tensioning force required to prevent an aged breaker from slow closing. Slow-closing occurs when the required portion of the mechanism has not returned to its at rest state and would allow the force exerted to charge the breaker diverted directly to close the breaker. A breaker's failure to charge and close properly could result in an arc fault condition.

5. The date on which the information of such defect or failure to comply was obtained.

The evaluation was complete January 26<sup>th</sup>, 2026.

6. In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied

for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part.

The subject Refurbishment Kit was supplied by ABB Inc. The Kit should contain P/N 650216A00 Tension Spring. CNP received 12 Kits, 11 were issued and the condition was observed on the 11th kit:

Item# 049704277101, LOT 1398832, Kit Part Number 716656T31

Additionally, a spare breaker in inventory, 12-BKR-6192, not installed in the plant, was found to have an incorrect tension spring installed from the same lot of refurbishment kits.

Basic components supplied to other licensees is unknown to CNP. Contact the vendor for additional information.

7. The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

CNP has inspected all 12, PN 716656T31, refurbishment kits supplied by ABB Inc. and ensured the proper springs and quantities were supplied. To complete this, CNP inspected both the label on the individual bags containing the springs, as well as the springs themselves. Additionally, CNP validated that no refurbishment kits made it into breakers installed in the plant and inspected inventory of breakers with springs installed, but not yet installed in the plant.

CNP has quarantined the spare breaker with the incorrect spring and will not issue until the spring has been replaced.

8. Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

None.

9. In the case of an early site permit, the entities to whom an early site permit was transferred.

Not Applicable.