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

August 12, 2021

AEP-NRC-2021-44
10 CFR 50.55a

Docket No.: 50-316

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

Donald C. Cook Nuclear Plant Unit 2
Form OAR-1, Owner's Activity Report

Indiana Michigan Power Company the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 2, is providing as Enclosure 1 to this letter a copy of Form OAR-1, Owner's Activity Report, for Inservice Inspection activities performed at CNP Unit 2 through the completion of the Unit 2 Cycle 26 Refueling Outage. This report meets the requirements of the American Society of Mechanical Engineers (ASME) Code Case N-532-5, "Repair/Replacement Activity Documentation Requirements and Inservice Inspection Summary Report Preparation and Submission Section XI, Division 1." This code case is used as an alternative to the requirements of the ASME Boiler and Pressure Vessel Code, Section XI, Article IWA-6000, as specified in Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1," Revision 19, for the current inspection interval.

The Authorized Code Inspection Company is OneCIS Insurance Co., of Lynn, Massachusetts. The Authorized Nuclear Inservice Inspector is Howard M. Burkhart, Jr.

There are no new or revised commitments in this letter. Should you have any questions, please contact me, at (269) 466-2649.

Sincerely,

Michael K. Scarpello
Regulatory Affairs Director

SJM/ml

A 047
NRR

Enclosure:

1. Form OAR-1, Owner's Activity Report for Donald C. Cook Nuclear Plant Unit 2 Cycle 26 Refueling Outage

c: R. J. Ancona – MPSC
EGLE – RMD/RPS
J. B. Giessner – NRC Region III
NRC Resident Inspector
R. M. Sistevaris – AEP Ft. Wayne
J. E. Walcutt – AEP Ft. Wayne
S. P. Wall – NRC, Washington D.C.
A. J. Williamson – AEP Ft. Wayne

Enclosure 1 to AEP-NRC-2021-44

Form OAR-1, Owner's Activity Report for Donald C. Cook Nuclear Plant
Unit 2 Cycle 26 Refueling Outage

D. C. Cook Nuclear Unit 2
FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 2-2021-5-1-01

Plant Donald C Cook Nuclear Plant, One Cook Place, Bridgman, Michigan 49106

Unit No. 2 Commercial service date 7/1/1978 Refueling outage no. U2C26
(if applicable)

Current inspection interval 5th for Components and Supports (C&S) and 3rd for Containment ISI (CISI) Program
(1st, 2nd, 3rd, 4th, other)

Current inspection period 1st for C&S and 1st for CISI
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2013 Edition/No Addenda

Date and revision of inspection plans 3/30/2021 Rev 2 for C&S, 3/1/2020 Revision 0 for CISI

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans
Edition and Addenda are the same as the Inspection Plans

Code Cases used for inspection and evaluation: N-513-4, N-722-1 and N-729-6 for C&S
(If applicable, including cases modified by Case N-532 and later revisions)

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of U2C26 conform to the requirements of Section XI. (refueling outage number)

Signed Walter G. Chatterton, ISI Program Owner Date 8/5/2021
Owners or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Co. of Lynn, MA have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Jim B. [Signature] Commission 9033 I A I S N R
Inspector's Signature National Board Number and Endorsement

Date 5 Aug 2021

D. C. Cook Nuclear Unit 2

Table 1

Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service

Examination Category and Item Number	Item Description	Evaluation Description
N-729-6 B4.40	Nozzles and partial-penetration welds of PWSCC-resistant materials in head [Reactor Vessel Upper Head]	Relevant conditions including discoloration and accumulated residues were identified at 15 penetrations of the Reactor Vessel Closure Head (RVCH) during Visual Examination (VE). After cleaning, no relevant conditions and no degradation of the RVCH was identified during the as-left VE. The relevant conditions were attributed to cleaning of previous spills from refueling operations and materials deposited by the RVCH ventilation system and were not indicative of possible nozzle leakage. Relief was granted from performing the supplemental UT and surface examinations required under ASME Code Case N-729-6 (ADAMS Accession Number ML21130A008). A subsequent VE will be performed in the next refueling outage per the Code Case.
D-B D2.10	Pressure Retaining Components	A through wall leak was identified on a Class 3 Essential Service Water (ESW) pipe. The leak was evaluated as acceptable per ASME Code N-513-4. The augmented examinations were performed as required until the associated portion of the piping was down-graded to non-Code per the design change process.

D. C. Cook Nuclear Unit 2

Table 2

Abstract of Repair/Replacement Activities Required for Continued Service

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1/2	Valve 2-NRV-163	Replace bellows leak off pipe with plug	5/8/2020	55546796-22
1/2	Valve 2-NRV-164	Replace bellows leak off pipe with plug	5/7/2020	55546796-61