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

July 26, 2016

AEP-NRC-2016-63
10 CFR 50.55a

Docket No.: 50-315

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

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

This letter provides a copy of Form OAR-1, Owner's Activity Report, for inservice inspection activities performed at Donald C. Cook Nuclear Plant Unit 1 through the completion of the Unit 1 Cycle 27 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 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 approved by Regulatory Guide 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1," Revision 17, for the current inspection interval.

The Authorized Code Inspection Company is OneCIS Insurance Co., of Lynn, Massachusetts. The Authorized Nuclear Inspector is Gary Brouette.

There are no new or revised commitments in this letter. Should you have any questions, please contact Mr. Michael K. Scarpello, Regulatory Affairs Manager, at (269) 466-2649.

Sincerely,


for Mark Lloyd
Engineering Vice President

RAW/ml

Enclosure: Form OAR-1, Owner's Activity Report for Donald C. Cook Nuclear Plant Unit 1 Cycle 27 Refueling Outage

A047
NRR

c: R. J. Ancona – MPSC, w/o enclosure
A. W. Dietrich – NRC Washington DC
MDEQ – RMD/RPS, w/o enclosure
NRC Resident Inspector
C. D. Pederson – NRC Region III
A. J. Williamson – AEP Ft. Wayne, w/o enclosure

ENCLOSURE TO AEP-NRC-2016-63

FORM OAR-1, OWNER'S ACTIVITY REPORT FOR DONALD C. COOK NUCLEAR PLANT
UNIT 1 CYCLE 27 REFUELING OUTAGE

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 1-2016-4-2-02
Plant Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106
Unit No. 1 Commercial service date 8/23/1975 Refueling outage no. U1C27
(if applicable)
Current inspection interval 4th for Components and Supports (C&S) and 2nd for Containment ISI (CISI) Program
(1st, 2nd, 3rd, 4th, other)
Current inspection period 2nd for C&S and 2nd for CISI
(1st, 2nd, 3rd)
Edition and Addenda of Section XI applicable to the inspection plans 2004 Edition/No Addenda
Date and revision of inspection plans 11/13/2015, Revision 5 for C&S; and 4/8/2014, Revision 3 for CISI
Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans _____

Editor and Addenda are the same as the Inspection Plans

Code Cases used for inspection and evaluation: C&S: N-526, N-566-2, N-624, N-716, N-722-1 CISI: N-649, N-751
(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 U1C27 conform to the requirements of Section XI.
(refueling outage number)

Signed Madison Elliott, ISI Program Date 6-30-2016
Owner or Owner's Designee, Title Owner

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 a loss of any kind arising from or connected with this inspection.

[Signature] Commission NB 9291, N, I, NS, NS1
Inspector's Signature (National Board Number and Endorsement)

Date 6/30/16

D.C. Cook Nuclear Unit 1

Table 1

Items with flaws or relevant conditions that required evaluation for continued service

Examination Category	Item Number	Item Description	Evaluation Description
B-P	B15.10	Pressure retaining components system leakage test	Dry Boric Acid was found at the bottom of Loop 2. Per AR 2016-5258, Evaluation concluded 1-PP-45-2, Unit 1 Reactor Coolant Pump #2, has an active leak. Work Order 55480543 has been created to resolve this leakage.

D.C. Cook Nuclear Unit 1

Table 2

Abstract of repair/replacement activities
required for continued service

Code Class	Item Description	Description of Work	Date Complete	Repair / Replacement Plan Number
None	None	None		None