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

August 14, 2013

AEP-NRC-2013-54
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 25 refueling outage. This report meets the requirements of the American Society of Mechanical Engineers (ASME) Code Case N-532-4, "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 16.

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

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,

Q. Shane Lies
Engineering Vice President

RAW/kmh

Enclosure: Form OAR-1, Owner's Activity Report for the Donald C. Cook Nuclear Plant Unit 1
Cycle 25 Refueling Outage

A047
NRC

c: C. D. Pederson – NRC Region III
J. T. King – MPSC, w/o enclosure
S. M. Krawec - AEP Ft. Wayne, w/o enclosure
MDEQ – RMD/RPS, w/o enclosure
NRC Resident Inspector
T. J. Wengert – NRC Washington DC

Enclosure to AEP-NRC-2013-54

FORM OAR-1, OWNER'S ACTIVITY REPORT, FOR DONALD C. COOK NUCLEAR PLANT
UNIT 1 CYCLE 25 2013 REFUELING OUTAGE

bc: E.R. Deweese
J. D. Ross
J. R. Fary
J. P. Gebbie
R. E. Hall
K. M. Henderson
Q. S. Lies
S. M. Partin
M. K. Scarpello
L. J. Weber

D.C. Cook Nuclear Unit 1 Form OAR-1 Owner's Activity Report

Report Number 1-2013-4-1-02

Plant Donald C Cook Nuclear Plant, One Cook Place, Bridgman, Michigan 49106
(Name and Address of Plant)

Unit No. 1 Commercial Service Date 8/23/1975 Refueling Outage No. U1C25
(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 1st for C&S and 1st for CISI
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2004 Edition/No Addenda

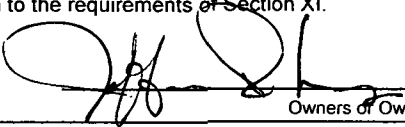
Date and Revision of inspection plans 1/8/2013, Revision 3 for C&S, and 6/27/2012, Revision 2 for CISI

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 Case used: N-526, N-566-2, N-624, N-716, N-722-1, N-729-1 for C&S and N-649 for CISI
(If applicable)

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 U1C25 conform to the requirements of Section XI. (Refueling Outage Number)

Signed  Engineering Supervisor Date 7/18/13
Owners of 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 the State or Province of Michigan and employed by One CIS 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.

Renel K. Schenck  Commissions Michigan 300959, NB 11412, Endorsements: A, I, N, NS & IS
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-18-2013

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
NONE	NONE	NONE	NONE

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
1	Steam Generator 1-OME-3-3 Tube Plugging	Mechanical tube plugging of 10 tubes due to wear indications	4/17/13	Work Order Task 55394809-26
1	Reactor Vessel 1-OME-1 Lower Radial Support System (LRSS)	Replaced selective clevis bolts and retainer hardware.	4/29/13	Work Order Tasks 55399712-23, 24, 25, 26, 27, 28
1	Reactor Coolant Piping upstream of 1-NFP-222-V2 Loop 2 Channel 3 Differential Flow Instrument 1-NFP-222 Low Pressure Side Root Valve	Replaced socket weld due to through-weld leak.	5/1/13	Work Order Tasks 55421212-10, 13