



**INDIANA
MICHIGAN
POWER**

A unit of American Electric Power

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

July 3, 2012

AEP-NRC-2012-50
10 CFR 50.55a

Docket Nos.: 50-316

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

Donald C. Cook Nuclear Plant Unit 2
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 (CNP) Unit 2 through the completion of the U2C20 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 One CIS 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,

Michael H. Carlson
Site Support Services Vice President

MCS/kmh

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

A047
NRR

c: C.A. Casto – NRC Region III
J. T. King – MPSC, w/o enclosures
S. M. Krawec - AEP Ft. Wayne, w/o enclosures
MDEQ - RMD/RPS, w/o enclosures
NRC Resident Inspector
P. K. Tam - NRC Washington, DC

**D.C. Cook Nuclear Unit 2
Form OAR-1 Owner's Activity Report**

Report Number 2-2012-4-1-02

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

Unit No. 2 Commercial Service Date 7/1/1978 Refueling Outage No. U2C20
(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 4/5/2011, Revision 2 for C&S, and 6/22/2011, Revision 1 for CISI

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

Code Case used: N-460, N-532-4, N-552, N-566-2, N-624, N-716, N-722 and 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 U2C20 conform to the requirements of Section XI. (Refueling Outage Number)

Signed [Signature] CODE PROGRAMS SUPERVISOR Date JUNE 21, 2012
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 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.

[Signature] Renel Schenk Commissions Michigan 300959, NB 11412, Endorsements: A I N NS
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-21-2012

D.C. Cook Nuclear Unit 2

Table 1

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

Examination Category	Item Number	Item Description	Evaluation Description
OM ISTD	ISTD-4200	The common hydraulic fluid reservoir to Steam Generator snubbers 2-OME-3-1-HSD-3L and 2-OME-3-1-HSD-3U was found empty.	There was an Operational Readiness Test Evaluation performed in accordance with ISTD-4240. The snubbers passed the functional tests. Leaks were repaired in the 3U snubber assembly and tubing fittings. The remaining snubbers were acceptable.

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 Complete	Repair / Replacement Plan Number
1	Steam Generator 2-OME-3-2 Tube Plugging	Mechanical tube plugging of 1 tube due to uninspectable region due to probe restriction.	4/8/12	Work Order Task 55309882-22