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Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
AEP.com

February 28, 2011

AEP-NRC-2011-4
10 CFR 50.55a

Docket No.: 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 U2C19 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 15."

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
Vice President - Site Support Services

MCS/jmr

Attachment: Form OAR-1 Owner's Activity Report for the Donald C. Cook Nuclear Plant Unit 2
Refueling Outage U2C19

A047
MRC

c: R. Aben - DLEG/BCCFS/BD
J. T. King – MPSC, w/o attachment
S. M. Krawec - AEP Ft. Wayne, w/o attachment
MDNRE – WHMD/RPS, w/o attachment
NRC Resident Inspector
M. A. Satorius – NRC Region III
P. K. Tam – NRC Washington DC

Attachment to AEP-NRC-2011-4

FORM OAR-1 OWNER'S ACTIVITY REPORT FOR DONALD C. COOK NUCLEAR PLANT
UNIT 2 CYCLE 19 2010 REFUELING OUTAGE

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

Report Number : 2-2010-4-1-01

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. U2C19
(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

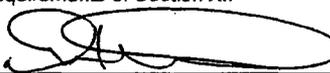
Date and Revision of inspection plans 7/28/2010, Revision 1 for C&S, and 5/26/2010, Revision 0 for CISI

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-526, N-532-4, N-566-2, N-586-1, N-624, N-716, N-722 and N-729-1 for C&S and N-649 for CISI
(If applicable)

CERTIFICATE OF CONFORMANCE

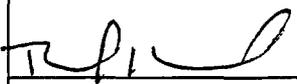
I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of U2C19 conform to the requirements of Section XI. (Refueling Outage Number)

Signed  DAVID AUBREY
Owners or Owner's Designee, Title NUCLEAR ENGR. SUPERVISOR Date 2/10/11

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.

 Commissions Michigan 300959, NB 11412, Endorsements: A, N & I
Inspector's Signature National Board, State, Province, and Endorsements
Date 2-10-2010
RKS
2-22-2011

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
B-N-3	B13.70	Core Support Structure Accessible Surfaces	Broken Core Barrel Baffle Bolts evaluated for minimum bolting pattern and replacement.
F-A	F1.30B	2-GCCW-R-308 Pipe Support Component	Loose Base Plate Nuts - Acceptable per previous evaluation under AR 00820122-02 and -03 and WOT 55306856-01.

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	Reactor (2-OME-1) Core Barrel Baffle Bolts	Modification EC-50972: Removal/replacement of baffle plate to former plate bolting.	11/16/2010	55371767-27 & 78, 55371564-02
MC	Containment Penetration 2-CPN-80	Replaced flange bolting	10/27/2010	55349023-18
3	East Component Cooling Water Heat Exchanger (2-HE-15E)	Replaced heat exchanger tubing	11/2/2010	55330326-02
3	Essential Service Water Piping Isometric 2-ESW-48	Replaced elbow and flange	10/28/2010	55361123-01
3	Essential Service Water Piping Isometric 2-ESW-53	Replaced elbow and flange	10/17/2010	55369102-29
2	South Safety Injection Pump 2-PP-26S Discharge Containment Isolation Valve 2-ICM-265	Repair seal weld on valve bonnet	10/23/2010	55323817-15
2	Feedwater to Steam Generator #1 Containment Isolation Check Valve 2-FWV-118-1.	Insert hell-coils on valve body bolt holes and replace bolting	11/13/2010	55367139-07