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

February 4, 2008

AEP:NRC:8055  
10 CFR 50.55a

Docket No.: 50-316

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Stop O-P1-17  
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Unit 2  
INSERVICE INSPECTION SUMMARY REPORT

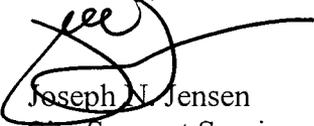
This letter provides a copy of the Inservice Inspection Summary Report for activities performed at Donald C. Cook Nuclear Plant (CNP), Unit 2, National Board (State of Michigan) Number 2 (Mich. M-324232-M), located in Bridgman, Michigan, for the period of May 5, 2006, to November, 6, 2007. The plant is owned by Indiana Michigan Power Company, P.O. Box 60, Fort Wayne, IN, 46801.

The commercial service date of CNP Unit 2 is July 1, 1978, and the Authorized Code Inspector is Mr. R. K. Schenck, who is employed by One CIS Insurance Co., of Boston, Massachusetts.

The examinations, tests, replacements, repairs performed, conditions observed, and corrective measures taken are summarized in the attached report. Inservice inspection activities were performed in accordance with the rules and requirements of the American Society of Mechanical Engineers' Code, Section XI, 1989 Edition (no Addenda) and 1992 Edition with the 1992 Addenda, as applicable.

There are no new or revised commitments in this letter. Should you have any questions, please contact Mr. James M. Petro, Jr., Regulatory Affairs Manager, at (269) 466-2491.

Sincerely,



Joseph N. Jensen

Site Support Services Vice President

RSP/rdw

Attachment: Inservice Inspection Summary Report for the Donald C. Cook Nuclear Plant Unit 2  
2007, Unit 2 Cycle 17 Refueling Outage.

A047  
NRC

c: R. Aben - DLEG/BCCFS/BD  
J. L. Caldwell - NRC Region III  
K. D. Curry - Ft. Wayne AEP, w/o attachment  
J. T. King - MPSC, w/o attachment  
MDEQ – WHMD/RPMWS, w/o attachment  
NRC Resident Inspector  
P. S. Tam - NRC Washington, DC

Attachment to AEP:NRC:8055

Inservice Inspection Summary Report for the  
Donald C. Cook Nuclear Plant Unit 2  
2007, Unit 2 Cycle 17 Refueling Outage

INSERVICE INSPECTION SUMMARY REPORT

FOR THE

DONALD C. COOK NUCLEAR PLANT

UNIT 2

2007, Unit 2 Cycle 17 REFUELING OUTAGE

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2,  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

Report for Inspection Period  
From May 5, 2006 to November 6, 2007

Prepared by: Paul R. Donavin Date: 1/22/08  
Paul Donavin  
ISI Program Owner

Prepared by: James M. Fitchuk Date: 1/22/08  
James Fitchuk  
IWE/L and Snubber Program Owner

Reviewed by: R. Pickard Date: 01/22/2008  
Rodney Pickard  
Engineering Programs Supervisor

Reviewed by: R. Pickard for C. Lane Date: 01/22/2008  
Carl Lane  
Engineering Programs Manager

Approved by: Larry Weber Date: 01/24/08  
Larry Weber  
Plant Engineering Director

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

Report of Inservice Inspections  
From May 5, 2006 to November 6, 2007

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INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2,  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

SECTION 1

INTRODUCTION

This report summarizes the Inservice Inspection activities performed at the Donald C. Cook Nuclear Plant, Unit 2, for the period of May 5, 2006 to November 6, 2007. This report addresses examinations and activities associated with the Unit 2 Cycle 17, 2007 Refueling Outage. This is the first refueling outage of the Third Inspection Period of the Third Ten-Year Interval.

These activities were performed in accordance with the requirements of the ASME Boiler and Pressure Vessel Code, Section XI, Rules for Inservice Inspection of Nuclear Power Plant Components. As of July 1, 1996, the third ten-year inspection interval began and the applicable code of record for ISI activities became ASME Section XI, 1989 Edition (no Addenda) and 1992 Edition with 1992 Addenda for the Containment as applicable.

The purpose of this report is to satisfy the requirements of IWA-6000 for the submittal of an Inservice Inspection Summary Report at the completion of each refueling outage. Examination and tests conducted since the preceding summary report are included in this report. Repairs and replacements are also included in this report per the requirements of the 1989 Edition of ASME Section XI, IWA-6220.

Contents of this report have been reviewed and verified correct with supporting documentation available at the plant for review if required.

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

SECTION 2

NIS-1 INSERVICE INSPECTION SUMMARY REPORT

Acronyms

**CCW** Component Cooling Water  
**CS** Emergency Core Cooling System  
**CTS** Containment Spray System  
**ESW** Essential Service Water  
**FW** Feedwater  
**MS** Main Steam  
**RHR** Residual Heat Removal  
**RC** Reactor Coolant

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner: Indiana Michigan Power Co., PO Box 60, Ft. Wayne, IN 46801  
(Name and Address of Owners)
2. Plant: Donald C. Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106  
(Name and Address of Plant)
3. Plant Unit: Two
4. Owner Certification of Authorization (if required): N/A
5. Commercial Service Date: 07/01/78
6. National Board Number for Unit: 2 (Mich. M-324232-M)

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial Number	State or Province Number	National Board Number
Steam Generator, 2-OME-3-4	Westinghouse/MK-Ferguson	1341- Upper Assembly 3367G - Lower Assembly	M-R324237-M	6876 - Upper 38 - Lower
West CTS Heat Exchanger 2-HE-18W	Yuba	69-G-226-ID	N/A	N/A
West RHR Heat Exchanger 2-HE-17W	Engineers and Fabricators, INC	S-15586-C	N/A	N/A
Boron Injection Tank A 2-TK-11	Struthers/Westinghouse	SPIN#: AMP-SIATBI-01	N/A	13344
Containment	Graver	N/A	N/A	N/A
Piping Systems - RC, RH, SI, CTS, CCW, CS, ESW, FW, MS	Power Systems Inc. and TUBECO	N/A	N/A	N/A
Pipe Supports	Grinnell	-	-	-

8. Examination Dates: May 5, 2006 to November 6, 2007

8. Examination Dates: May 5, 2006 to November 6, 2007

9. Inspection Period Identification: Third

10. Inspection Interval Identification: Third

11. Applicable Edition of Section XI 1989 no Addenda & 1992 with 1992 Addenda

12. Date/Revision of Inspection Plan: 10/10/2007 Rev. 6

13. Abstract of Examinations. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.

See Sections 3, 4, 5, 6, and 7

14. Abstract of Results of Examinations and Tests.

See Sections 3, 4, 5, 6 and 7

15. Abstract of Corrective Measures.

See Sections 3, 4, 5, 6, and 7

We 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) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date 1-22, 2008 Signed Indiana Michigan Power Co. By [Signature]  
Owner

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 ONECIS Insurance Co. of Boston, MA have inspected the components described in this Owner's Report during the period 5-5-2006 to 11-6-2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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] Commissions NB11412AW1, Mich. 300959  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-22 20 08

DONALD C. COOK NUCLEAR PLANT, UNIT 2  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

SECTION 3

ABSTRACT OF EXAMINATIONS, RESULTS, AND CORRECTIVE ACTIONS FOR  
CLASS 1 AND CLASS 2 COMPONENTS

Inservice examinations were performed during the period May 5, 2006 to November 6, 2007. This report addresses examinations and activities associated with the Third 10-Year Interval-Third Inspection Period-First Refueling Outage (U-2 Cycle 17). All examinations were in accordance with the 1989 Edition (no Addenda) and 1992 Edition with 1992 Addenda as applicable.

Examinations were scheduled and performed according to the Third Ten-Year Long Term Inservice Examination Plan for Class 1, 2, and 3 Systems and Components for Donald C. Cook Nuclear Plant, Unit 2. This is the currently approved ISI examination plan that identifies specific activities to be performed on a refueling outage basis. Code Case N-716 was approved for the third interval, third period of the ISI Long Term Plan. The Risk Informed examinations include examination items B-J, B-F, C-F-1, and C-F-2 piping welds.

Twenty-six (53) ASME Class 1 and twenty-eight (35) ASME Class 2 components were examined. A combination of Ultrasonic, Magnetic Particle, Liquid Penetrant and Visual examination methods were used. No sample expansions were required.

During the Unit 2, Cycle 17 refueling outage, Indiana Michigan Power Company (I&M), the licensee for Donald C. Cook Nuclear Plant (CNP) Unit 2, performed a bare-metal visual inspection of the CNP Unit 2 reactor pressure vessel (RPV) bottom-mounted instrumentation (BMI) nozzle penetrations, in response to NRC Revised Order EA-03-009, "Issuance of Order Establishing Interim Inspection Requirements for Reactor Pressure Vessel Heads at Pressurized Water Reactors". The reactor head and associated penetrations were replaced in this outage.

The BMI inspection was conducted by contractor and I&M personnel, and included personnel qualified as American Society of Mechanical Engineers Code, Section XI, Level II examiners. The bottom two sections of insulation were lowered to allow unobstructed access to all penetrations and the membrane areas of the lower reactor vessel. A pole-mounted camera was used to perform a VT-2 examination to VT-3 examination criteria for distance and lighting on all 58 Unit 2 RPV BMI nozzle penetrations, including 360 degrees around each BMI penetration. No boric acid deposits were found at any RPV BMI nozzle penetration or anywhere on the RPV bottom-head surface area. No boric acid residue sampling or analysis was required or performed. No indications of through-wall leakage were found during the Unit 2, Cycle 17 RPV BMI inspection. The inspection results were digitally recorded, and copies of the video files were saved to computer drives as video clips.

System pressure tests did not reveal any degradation of the system pressure boundary or the installed bolting.

The following Code Cases were utilized during this reporting period:

N-416-1  
N-460  
N-509  
N-533  
N-616  
N-627  
N-491-1  
N-716

Nondestructive examinations were performed by WesDyne, AREVA/Framatome and Indiana Michigan Power (I&M) personnel in accordance with procedures approved for use at the Cook Nuclear Plant.

**Inservice Inspection Report  
Interval 3, Period 3, U2C17**

Summary No.	Comp. ID	Component Description	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
<b>Class 1 Category B-G-2</b>								
012120	STM-24-OMB-1 THROUGH 16	OUTLET MANWAY BOLTING	B7.30	12-QHP-5050-NDE-006	VT / VT-07-037 / Accept	Steam Generator	A-6	10/3/2007
012160	STM-24-IMB-1 THROUGH 16	INLET MANWAY BOLTING	B7.30	12-QHP-5050-NDE-006	VT / VT-07-036 / Accept	Steam Generator	A-6	10/3/2007
031300	2-RC-27-09-FB	FLANGE BOLTING	B7.50	12-QHP-5050-NDE-006	VT / VT-07-016 / Accept	RC	A-25	9/17/2007
220600	SI-166-2	FLANGE BOLTING	B7.70	12-QHP-5050-NDE-006	VT / VT-07-019 / Accept	SI	A-48	9/18/2007
221100	SI-166-4	FLANGE BOLTING	B7.70	12-QHP-5050-NDE-006	VT / VT-07-021 / Accept	SI	A-50	9/25/2007
221600	SI-158-L3	FLANGE BOLTING	B7.70	12-QHP-5050-NDE-006	VT / VT-07-035 / Accept	SI	A-54	10/3/2007
<b>Class 1 Category B-J/R-A</b>								
024850	2-RC-21-04	PIPE TO PIPE	B9.11	ISI-UT-350	UT / UT-07-169 / Accept	RC	A-19	9/29/2007
034000	2-RC-28-20	PIPE TO ELBOW	B9.11	ISI-PDI-UT-2	UT / UT-07-153 / Accept	RC	A-26	9/28/2007
034100	2-RC-28-21	ELBOW TO PIPE	B9.11	ISI-UT-350	UT / UT-07-172 / Accept	RC	A-26	9/28/2007
035300	2-RC-28-30	PIPE TO ELBOW	B9.11	ISI-UT-350	UT / UT-07-147 / Accept	RC	A-27	9/28/2007
035400	2-RC-28-31	ELBOW TO PIPE	B9.11	ISI-PDI-UT-2	UT / UT-07-151 / Accept	RC	A-27	9/28/2007
038100	2-RC-29-03	PIPE TO ELBOW	B9.11	ISI-PDI-UT-2	UT / UT-07-159 / Accept	RC	A-28	9/28/2007
038200	2-RC-29-04	ELBOW TO PIPE	B9.11	ISI-UT-350	UT / UT-07-160 / Accept	RC	A-28	9/28/2007
038300	2-RC-29-05	PIPE TO ELBOW	B9.11	ISI-UT-350	UT / UT-07-163 / Accept	RC	A-28	9/28/2007
038400	2-RC-29-06	ELBOW TO PIPE	B9.11	ISI-PDI-UT-2	UT / UT-07-168 / Accept	RC	A-28	9/28/2007
097900	2-SI-59-02	PIPE TO ELBOW	B9.11	ISI-UT-350	UT / UT-07-128 / Accept	SI	A-50	9/26/2007
098100	2-SI-59-03	ELBOW TO PIPE	B9.11	ISI-UT-350	UT / UT-07-126 / Accept	SI	A-50	9/26/2007
112274	2-SI-73-28S	PIPE TO ELBOW	B9.21	ISI-PDI-UT-2	UT / UT-07-024 / Accept	SI	A-60	9/18/2007
112275	2-SI-73-29S	ELBOW TO PIPE	B9.21	ISI-PDI-UT-2	UT / UT-07-025 / Accept	SI	A-60	9/18/2007

**Inservice Inspection Report  
Interval 3, Period 3, U2C17**

Summary No.	Comp. ID	Component Description	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
122615	2-SI-569-39S	BEND TO ELBOW	B9.40	ISI-PDI-UT-2	UT / UT-07-125 / Accept	SI	A-68	9/25/2007
122630	2-SI-569-42S	ELBOW TO PIPE	B9.40	ISI-PDI-UT-2	UT / UT-07-112 / Accept	SI	A-68	9/25/2007
122635	2-SI-569-43S	PIPE TO ELBOW	B9.40	ISI-PDI-UT-2	UT / UT-07-115 / Accept	SI	A-68	9/25/2007
122640	2-SI-569-44S	ELBOW TO PIPE	B9.40	ISI-PDI-UT-2	UT / UT-07-117 / Accept	SI	A-68	9/25/2007
122645	2-SI-569-45S	PIPE TO ELBOW	B9.40	ISI-PDI-UT-2	UT / UT-07-118 / Accept	SI	A-68	9/25/2007
122690	2-SI-569-55F	ELBOW TO ELBOW	B9.40	ISI-PDI-UT-2	UT / UT-07-120 / Accept	SI	A-68	9/25/2007
122693	2-SI-569-56S	ELBOW TO BEND	B9.40	ISI-PDI-UT-2	UT / UT-07-122 / Accept	SI	A-68	9/25/2007
123400	2-SI-569-07	ELBOW TO PIPE	B9.40	ISI-PDI-UT-2	UT / UT-07-106 / Accept	SI	A-69	9/25/2007
123500	2-SI-569-08	PIPE TO ELBOW	B9.40	ISI-PDI-UT-2	UT / UT-07-109 / Accept	SI	A-69	9/25/2007
123600	2-SI-569-09	ELBOW TO PIPE	B9.40	ISI-PDI-UT-2	UT / UT-07-110 / Accept	SI	A-69	9/25/2007
129300	2-CS-119-09	PIPE TO PIPE	B9.21	ISI-UT-350	UT / UT-07-145 / Accept	CS	A-70	9/28/2007
129400	2-CS-119-10	PIPE TO ELBOW	B9.21	ISI-PDI-UT-2	UT / UT-07-138 / Accept	CS	A-70	9/28/2007
129500	2-CS-119-11	ELBOW TO PIPE	B9.21	ISI-PDI-UT-2	UT / UT-07-142 / Accept	CS	A-70	9/28/2007
148800	2-RH-33-01	BRANCH CONNECTION TO PIPE	B9.11	ISI-PDI-UT-2	UT / UT-07-133 / Accept	RH	A-77	9/28/2007
148900	2-RH-33-02	PIPE TO ELBOW	B9.11	ISI-PDI-UT-2	UT / UT-07-136 / Accept	RH	A-77	9/28/2007
150400	2-RH-33-17	PIPE TO ELBOW	B9.11	ISI-UT-350	UT / UT-07-130 / Accept	RH	A-77	9/26/2007
027410	2-RC-22-22	ELBOW TO ELBOW	R1.20	ISI-PDI-UT-2	UT / UT-07-046 / Accept	RC	A-20	8/28/2007
027415	2-RC-22-23	ELBOW TO ELBOW	R1.20	ISI-PDI-UT-2	UT / UT-07-050 / Accept	PRZ	A-20	8/28/2007
027420	2-RC-22-24	ELBOW TO VALVE	R1.20	ISI-PDI-UT-2	UT / UT-07-053 / Accept	PRZ	A-20	8/28/2007
028210	2-RC-23-10	ELBOW TO ELBOW	R1.20	ISI-PDI-UT-2	UT / UT-07-055 / Accept	RC	A-21	8/28/2007
028215	2-RC-23-11	ELBOW TO ELBOW	R1.20	ISI-PDI-UT-2	UT / UT-07-057 / Accept	RC	A-21	8/28/2007
028220	2-RC-23-12	ELBOW TO VALVE	R1.20	ISI-PDI-UT-2	UT / UT-07-060 / Accept	RC	A-21	8/28/2007
028610	2-RC-24-07	ELBOW TO ELBOW	R1.20	ISI-PDI-UT-2	UT / UT-07-062 / Accept	RC	A-22	8/28/2007
028615	2-RC-24-08	ELBOW TO ELBOW	R1.20	ISI-PDI-UT-2	UT / UT-07-064 / Accept	RC	A-22	8/28/2007
028620	2-RC-24-09	ELBOW TO VALVE	R1.20	ISI-PDI-UT-2	UT / UT-07-065 / Accept	RC	A-22	8/28/2007
<b>Class 2 Category C-A</b>								
300680	W-CTSHEx-2	SHELL TO FLANGE	C1.10	ISI-PDI-UT-2	UT / UT-07-035 / Accept	CTSHEx	B-8	8/28/2007
300770	W-RHRHEX-2	SHELL TO HEAD	C1.20	ISI-PDI-UT-2	UT / UT-07-010 / Accept	RHRHEX		8/24/2007
300840	2-BIT-A	SHELL TO LOWER HEAD	C1.20	ISI-UT-208	UT / UT-07-004 / Accept	BIT	B-11	8/29/2007
300850	2-BIT-B	SHELL TO UPPER HEAD	C1.20	ISI-UT-208	UT / UT-07-006 / Accept	BIT		8/29/2007

**Inservice Inspection Report  
Interval 3, Period 3, U2C17**

Summary No.	Comp. ID	Component Description	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
<b>Class 2 Category C-C</b>								
312200	2-SI-62-27S-PL 1 THROUGH 4	PIPE LUG	C3.20	12-QHP-5050-NDE-001	PT / PT-07-002 / Accept	SI	B-22	9/26/2007
315785	2-RH-24-07F-PS	PIPE SUPPORT	C3.20	12-QHP-5050-NDE-001	PT / PT-07-003 / Accept	RH	B-38	9/30/2007
315905	2-RH-31-07F-PS	PS INTEGRAL ATTACHMENT	C3.20	12-QHP-5050-NDE-001	PT / PT-07-001 / Accept	RH	B-39	9/18/2007
318710	2-FW-72-12S-PL 1 AND 2	PIPE LUG	C3.20	12-QHP-5050-NDE-002	MT / MT-07-002 / Accept	FW	B-54	9/30/2007
320640	2-MS-90-01S-PS	PIPE TO PENETRATION SEAL WELD	C3.20	12-QHP-5050-NDE-002	MT / MT-07-001 / Accept	MS	B-65	9/24/2007
<b>Class 2 Category C-D</b>								
322980	MSIV-MRV-210	FLANGE BOLTING	C4.40	ISI-PDI-UT-5	UT / UT-07-068 / Accept	MRV	B-78	9/21/2007
<b>Class 2 Category C-F-2/R-A</b>								
318150	2-FW-70-02S	PIPE TO ELBOW	C5.51	ISI-PDI-UT-1	UT / UT-07-083 / Accept	FW	B-52	9/22/2007
318170	2-FW-70-03S	ELBOW TO PIPE	C5.51	ISI-PDI-UT-1	UT / UT-07-099 / Accept	FW	B-52	9/25/2007
318230	2-FW-70-13S	PIPE TO ELBOW	C5.51	ISI-PDI-UT-1	UT / UT-07-071 / Accept	FW	B-52	9/21/2007
318240	2-FW-70-14F	ELBOW TO PIPE	C5.51	ISI-UT-350	UT / UT-07-072 / Accept	FW	B-52	9/20/2007
318350	2-FW-71-02S	PIPE TO ELBOW	C5.51	ISI-PDI-UT-1	UT / UT-07-101 / Accept	FW	B-53	9/25/2007
318370	2-FW-71-03S	ELBOW TO PIPE	C5.51	ISI-PDI-UT-1	UT / UT-07-105 / Accept	FW	B-53	9/25/2007
318470	2-FW-71-11S	PIPE TO ELBOW	C5.51	ISI-UT-350	UT / UT-07-075 / Accept	FW	B-53	9/21/2007
318480	2-FW-71-12F	ELBOW TO PIPE	C5.51	ISI-PDI-UT-1	UT / UT-07-078 / Accept	FW	B-53	9/21/2007
319870	2-FW-78-09F	PIPE TO PIPE	C5.51	ISI-PDI-UT-1	UT / UT-07-041 / Accept	FW	B-60	8/24/2007
319880	2-FW-78-10S	TEE TO PIPE	C5.51	ISI-PDI-UT-1	UT / UT-07-044 / Accept	FW	B-60	8/24/2007

**Inservice Inspection Report  
Interval 3, Period 3, U2C17**

Summary No.	Comp. ID	Component Description	Item	Procedure	Method/Report/Results	System	Dwg/ISO	Exam Date
<b>Class 2 Category F-A</b>								
700001	SG-21-SNUBBERS 1 THRU 4	Steam Generator Snubbers	F1.40	12-QHP-5050-NDE-006	VT / VT-07-023 / Accept	Steam Generator		9/24/2007
700002	SG-22-SNUBBERS 1 THRU 4	Steam Generator Snubbers	F1.40	12-QHP-5050-NDE-006	VT / VT-07-032 / Accept	Steam Generator		9/28/2007
710020	2-GSI-L-110	PIPE SUPPORT COMPONENT	F1.20WA	12-QHP-5050-NDE-006	VT / VT-07-028 / Accept	SI	B-12	9/27/2007
710900	2-GSI-R-43	PIPE SUPPORT COMPONENT	F1.20WA	12-QHP-5050-NDE-006	VT / VT-07-027 / Accept	SI	B-14	9/27/2007
713300	2-GRH-R-11	PIPE SUPPORT COMPONENT	F1.20WA	12-QHP-5050-NDE-006	VT / VT-07-040 / Accept	RH	B-29	10/16/2007
714755	2-GSI-R-64	PIPE SUPPORT COMPONENT	F1.20WA	12-QHP-5050-NDE-006	VT / VT-07-026 / Accept	SI	B-35	9/27/2007
714895	2-GSI-R-90	PIPE SUPPORT COMPONENT	F1.20WA	12-QHP-5050-NDE-006	VT / VT-07-029 / Accept	SI	B-36	9/27/2007
751200	2-FW-71-HANGER	PIPE RESTRAINT COMPONENT	F1.20WB	12-QHP-5050-NDE-006	VT / VT-07-031 / Accept	FW	B-53	9/28/2007
759600	2-MS-92-07S-PS	PIPE SUPPORT COMPONENT	F1.20WA	12-QHP-5050-NDE-006	VT / VT-07-025 / Accept	MS	B-67	9/27/2007
761900	2-MS-96-06S-PS	PIPE SUPPORT COMPONENT	F1.20WA	12-QHP-5050-NDE-006	VT / VT-07-030 / Accept	MS	B-71	9/28/2007

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

SECTION 4

ABSTRACT OF SYSTEM PRESSURE TESTS RESULTS

Inservice Inspection System Pressure Tests were performed during the period May 5, 2006 to November 6, 2007. These tests were performed in accordance with the requirements of ASME Section XI, 1989 (no Addenda) and 1992 Editions with 1992 Addenda, Articles IWA-5000, IWB-5000, IWC-5000, IWD-5000, Code Case N-416-1, Code Case N-533, Code Case N-498-1 and N-616, as applicable.

Pressure tests for portions of systems identified below were performed during this outage. The remainder of the pressure tests for the period will be performed in conjunction with functional tests, inservice operation, and special procedures as applicable. No pressure boundary through-wall leaks were identified.

JO	Activity	Test Description	Completion Date
R0227736	2	North SI pump and associated piping	5/6/2006
R0227736	4	South SI pump and associated piping	5/6/2006
R0227736	14	West CTS Pump and Associated Piping	5/5/2006
R0227736	16	Seal water leak off piping at RCPs	5/6/2006
R0227736	19	Letdown heat exchanger and associated piping	5/5/2006
R0227736	23	TDAFP and associated piping	5/5/2006
R0227736	24	East MDAFP and associated piping	5/5/2006
R0233818	2	ESW Pumps and associated piping	5/6/2006
R0243844	1	Condensate Storage Tank and Associated Piping	5/6/2006
55235834	1	East CCW System	5/21/2007
55235834	2	West CCW System	5/22/2007
55235834	4	CCW Misc Sup/Ret Headers	5/22/2007
55256651	1	RCS NOP/NOT	11/05/2007

INDIANA MICHIGAN POWER COMPANY  
 COOK NUCLEAR PLANT, BRIDGMAN, MI.  
 UNIT 2 COMMERCIAL SERVICE DATE 7-1-1978

SECTION 5

ABSTRACT OF SNUBBER EXAMINATION AND TEST RESULTS

Snubber examinations and functional testing were performed in conjunction with the maintenance procedures implemented to satisfy technical requirements manual surveillance requirements. Provided is a summary of the as-found visual examinations and as-found functional test results.

Snubber VT-3 Visual Examinations

Snubber No.	Exam Date	Work Order No.	Results
2-GRC-S537	9-20-07	55255634-02	Acceptable
2-GRC-S538	9-20-07	55255634-02	Acceptable
2-GRC-S555	9-24-07	55255634-02	Acceptable
2-GRC-S562	9-20-07	55255634-02	Acceptable
2-GRC-S564	9-22-07	55255634-02	Acceptable
2-GRC-S566	9-20-07	55255634-02	Acceptable
2-GRC-S573	9-24-07	55255634-02	Acceptable
2-GRC-S575	9-20-07	55255634-02	Acceptable
2-GRC-S582	9-20-07	55255634-02	Acceptable
2-GRC-S592	9-20-07	55255634-02	Acceptable
2-GRC-S594	9-20-07	55255634-02	Acceptable
2-GRC-S596	9-20-07	55255634-02	Acceptable
2-GRC-S598	9-25-07	55255634-02	Acceptable
2-GRC-S599	9-26-07	55255634-02	Acceptable
2-GRC-S609	9-20-07	55255634-02	Acceptable
2-GRC-S611	9-20-07	55255634-02	Acceptable
2-GRC-S623	9-20-07	55255634-02	Acceptable
2-GRC-S624	10-22-07	55255634-02	Acceptable
2-GRC-S626	9-20-07	55255634-02	Acceptable
2-GRC-S629	9-20-07	55255634-02	Acceptable
2-GRC-S630	9-20-07	55255634-02	Acceptable
2-GRC-S632	9-20-07	55255634-02	Acceptable
2-GRC-S631	9-20-07	55255634-02	Acceptable
2-GRC-S587	9-20-07	55255634-02	Acceptable
2-AFW-S4023	10-17-07	55256097-13	Acceptable
2-AFW-S4024(L)	10-17-07	55256097-13	Acceptable
2-AFW-S4024(U)	10-17-07	55256097-13	Acceptable
2-AFW-S4021	10-17-07	55256097-13	Acceptable
2-AFW-S4028(L)	10-18-07	55256097-13	Acceptable
2-AFW-S4028(U)	10-18-07	55256097-13	Acceptable

INDIANA MICHIGAN POWER COMPANY  
 COOK NUCLEAR PLANT, BRIDGMAN, MI.  
 UNIT 2 COMMERCIAL SERVICE DATE 7-1-1978

Snubber VT-3 Visual Examinations  
 (continued)

Snubber No.	Exam Date	Work Order No.	Results
2-AFW-S4027	10-18-07	55256097-13	Acceptable
2-AFW-S4025	10-18-07	55256097-13	Acceptable
2-AFW-S4031	10-17-07	55256097-13	Acceptable
2-AFW-S4032(L)	10-17-07	55256097-13	Acceptable
2-AFW-S4032(U)	10-17-07	55256097-13	Acceptable
2-AFW-S4029	10-17-07	55256097-13	Acceptable
2-AFW-S4036(L)	10-18-07	55256097-13	Acceptable
2-AFW-S4036(U)	10-18-07	55256097-13	Acceptable
2-AFW-S4035	10-17-07	55256097-13	Acceptable
2-AFW-S4033	10-17-07	55256097-13	Acceptable
2-GBD-S563(L)	10-8-07	55255633-01	Acceptable
2-GBD-S563(U)	10-8-07	55255633-01	Acceptable
2-GBD-S569(L)	10-8-07	55255633-01	Acceptable
2-GBD-S569(U)	10-8-07	55255633-01	Acceptable
2-GBD-S568	10-8-07	55255633-01	Acceptable
2-GCCW-S840	8-27-07	55253163-01	Acceptable
2-GCCW-S843	8-27-07	55253163-01	Acceptable
2-OME-3-1-HSD-3U	9-21-07	55254568-09	Acceptable
2-OME-3-1-HSD-3L	9-21-07	55254568-09	Acceptable
2-OME-3-1-HSD-1U	9-21-07	55254568-09	Acceptable
2-OME-3-1-HSD-1L	9-21-07	55254568-09	Acceptable
2-OME-3-2-HSD-3U	9-21-07	55254568-09	Acceptable
2-OME-3-2-HSD-3L	9-21-07	55254568-09	Acceptable
2-OME-3-2-HSD-1U	9-21-07	55254568-09	Acceptable
2-OME-3-2-HSD-1L	9-21-07	55254568-09	Acceptable
2-OME-3-3-HSD-3U	9-21-07	55254568-09	Acceptable
2-OME-3-3-HSD-3L	9-21-07	55254568-09	Acceptable
2-OME-3-3-HSD-1U	9-21-07	55254568-09	Acceptable
2-OME-3-3-HSD-1L	9-21-07	55254568-09	Acceptable
2-OME-3-4-HSD-3U	9-21-07	55254568-09	Acceptable
2-OME-3-4-HSD-3L	9-21-07	55254568-09	Acceptable
2-OME-3-4-HSD-1U	9-21-07	55254568-09	Acceptable
2-OME-3-4-HSD-1L	9-21-07	55254568-09	Acceptable

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2  
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Snubber Functional Tests

Snubber No.	Test Date	Work Order No.	Results	Remarks
2-GRC-S562	9-25-07	55268882-01	Accept.	Small Bore Grinnell
2-GRC-S575	9-25-07	55269950-01	Accept.	Small Bore Grinnell
2-GRC-S598	9-26-07	55246120-13	Accept.	Small Bore Grinnell
2-GRC-S630	9-27-07	55246120-13	Accept.	Small Bore Grinnell
2-GBD-S569-L	10-9-07	55270890-01	Accept.	Small Bore Grinnell
2-AFW-S4033	10-20-07	55269943-01	Accept.	Small Bore Grinnell
2-AFW-S4028-L	10-20-07	55268896-01	Accept.	Small Bore Grinnell
2-OME-3-4-HSD-1L	10-10-07	55255270-02	Accept.	Large Bore
2-OME-3-4-HSD-1U	10-10-07	55255649-02	Accept.	Large Bore
2-OME-3-4-HSD-3L	10-16-07	55255945-02	Accept.	Large Bore
2-OME-3-4-HSD-3U	10-16-07	55288282-02	Accept.	Large Bore

The minimum 14% Technical Requirements Manual required sample size consists of 7 small bore (Grinnell) and 3 large bore (Steam Generator) snubbers.

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

SECTION 6

ABSTRACT OF EXAMINATIONS, RESULTS,  
AND CORRECTIVE ACTIONS FOR  
ASME SECTION XI, SUBSECTIONS IWE AND IWL

Containment Inservice Inspections

During the reporting period of May 5, 2006 to November 6, 2007, inservice inspections were performed on the Unit 2 Containment pressure retaining structure in accordance with Subsections IWE and IWL of ASME Section XI, 1992 Edition and 1992 Addenda, and 10 CFR 50.55a.

The following attachment provides a listing of the Subsection IWE examinations performed, results, and corrective actions, if any were performed, on Class MC components and the Class CC liner. The examination results were compared to established acceptance criteria. All results were within the established acceptance criteria with the exception of a bolt that had thread damage due to maintenance disassembly of the mechanical joint. There were no areas that required to be classified as an Augmented Examination area in accordance with IWE-1240.

Containment concrete examinations were completed in August of 2007 under Work Order No. 55243961 and a final report was issued under Document No. SD-070718-001 Revision 0. No degradation has been found that impacts the structural integrity of the containment concrete. There were no conditions noted in accessible areas that could indicate the presence of degradation or result in degradation to inaccessible areas.

**Evaluation of Inaccessible Areas of the Containment Liner Plate Due to Rust Stains on the (Non-IWE) Divider Barrier Structural Steel Located in Unit 2 Containment, Azimuth 54 Degrees, Elevation 637'-3.375"**

Surface rusting was found on divider barrier steel located in Unit 2 Containment lower volume, Azimuth 54 Degrees, Elevation 637'-3.375". The divider barrier steel is not a Code Class MC pressure retaining boundary. However, the steel is attached to the containment liner plate and located adjacent to an inaccessible area of liner plate.

INDIANA MICHIGAN POWER COMPANY  
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Containment Inservice Inspections  
(continued)

The surface rusting appears to be caused by moisture from the steel adjacent to the divider barrier seal. The streaky rust stains on the vertical structural steel indicate the moisture was not from an active leak but a slow accumulation of moisture most likely from condensation. This was evident by the fact that there was not enough moisture to run down to the liner plate and cause rusting. The liner plate was in good condition with only slight discoloration and no rust or degradation. The area above the divider barrier seal is an air gap adjacent to the ice condenser. While there are panels and an air gap that separate the interior and low temperatures of the ice condenser from the containment liner, the cold temperature of the panels cools the air in the gap and the divider barrier steel. The humidity in the air in lower containment causes condensation to form on the steel and some rusting. The area of rusting is located in a confined area behind a wall with little air circulation allowing condensation to accumulate.

The inaccessible areas of the liner plate above the divider barrier steel should be unaffected by the cool air coming from the ice condenser for the following reasons: 1) the liner plate was coated prior to the installation of the ice condenser and the periodic visual examinations of the plate through the ice condenser port holes show the plate to be in good condition; 2) the liner plate temperatures will be moderated by a gap between the ice condenser panels and the liner plate along with the 42 inch thick concrete in direct contact with the liner plate; 3) the vertical liner plate will not allow a buildup of moisture that would degrade the coatings and subject the liner plate steel to a corrosive environment; 4) the humidity levels in upper containment and the air gap adjacent the ice condenser are typically lower than lower containment.

The periodic visual examinations of the liner plate and the divider barrier seal will monitor conditions in this area. No corrective actions are necessary.

**NIS-1 Attachment**  
**Evaluation of IWE As-Found Condition**  
**Examination Results**

Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (if rejectable)	Disposition/Corr. Actions
9/18/2007	2	55236879-01	2-CPN-71-BOLTING Penetration Bolting	VT-1	None	Accept
9/20/2007	2	55236879-01	2-CPN-1-BOLTING Penetration Bolting	VT-1	None	Accept
9/27/2007	2	55236879-01	2-EQHCVA-BOLTING Equipment Hatch Bolting	VT-1	One bolt had flattened threads due to maintenance assembly/disassembly.	The bolt was replaced.
9/27/2007	2	55236879-01	2-UPLODB-BOLTING Upper Personnel Airlock Outer Door Bolting (36 bolts examined, 4 remaining bolts examined on 10/14/07)	VT-1	None	Accept
10/4/2007	2	55288436-01	Prior to surface preparation and coating: Liner plate near penetration 2-CPN-79, weld pressurization channel @ penetration 2-CPN-77, bottom surface of penetrations 2-CPN-37 & 47, and area below penetration 2-CPN-32.	VT-3	Peeling and bare liner surfaces. No liner degradation was noted.	Accept
10/5/2007	2	55288436-01	Prior to surface preparation and coating: Liner plate surfaces at Zone 2-612-5 from Column 5 to 6, Elevation 612' up approximately 9'-0"; at Zone 2-612-6 from Column 6 to 7, Elevation 612' up approximately 9'-0"; at Zone 2-612-7 from Column 7 to 8, Elevation 612' up approximately 9'-0".	VT-3	Light discoloration. No surface degradation or wastage of base metal surfaces noted.	Accept
10/14/2007	2	55236879-01	2-UPLODB-BOLTING Upper Personnel Airlock Outer Door Bolting (4 remaining bolts)	VT-1	None	Accept
10/17/2007	2	55255517-06	Liner plate surfaces behind the Ice Condenser Divider Barrier Seal when removed: ZONE 2-612-6, at Elevation 638' AZ 355, 36 inches in length and 24 inches up above the divider barrier seal; ZONE 2-612-16 at Elevation 638' AZ 225, 18 inches in length and 12 inches up above the divider barrier seal.	General Visual	No evidence of degradation that may affect either containment structural integrity or leak tightness.	Accept

- References: 1) NED-1999-00004, Revision 0, "ISI Acceptance Criteria for Containment Liner Thickness, Sargent & Lundy Report No. SL-5360, Rev. 0"

**NIS-1 Attachment**  
**Evaluation of IWE As-Found Condition**  
**Examination Results**

Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (if rejectable)	Disposition/Corr. Actions
10/23/2007	2	55288436-01	Prior to surface preparation and coating: penetration 2-CPN-79, entire penetration from piping at face to 1 inch away from liner.	VT-3	None	Accept

- References: 1) NED-1999-00004, Revision 0, "ISI Acceptance Criteria for Containment Liner Thickness, Sargent & Lundy Report No. SL-5360, Rev. 0"

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

SECTION 7

ABSTRACT OF EXAMINATIONS, RESULTS  
AND CORRECTIVE ACTIONS FOR  
STEAM GENERATOR  
EDDY CURRENT EXAMINATIONS

**The steam generator inspection results will be submitted as a separate report per Technical Specification 5.6.7.**

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

SECTION 8

NIS-2 REPAIR AND REPLACEMENT INDEX

## *U2C17 Class 1 and 2 Repair Replacement Report*

<i>Work Order</i>	<i>Description</i>	<i>Component</i>	<i>Code Class</i>
55232227-01	REPLACED STEM/PLUG ASSEMBLY	2-QRV-200	2
55237923-16	REPLACED VALVE	2-SV-45C	1
55238004-06	REPLACED VALVE	2-SV-45B	1
55245887-01	SEAL WELD PIPE PLUG	ISO 2-CTS-52	2
55246120-01	ADDED LOOP SEAL AND PIPING	2-NRV-151	1
55246120-03	ADDED LOOP SEAL AND PIPING	2-NRV-152	1
55246120-05	ADDED LOOP SEAL AND PIPING	2-NRV-153	1
55246822-02	REPLACED VALVE AND PIPE	2-BD-103-1	2
55253424-04,05 2-MOD-55002	INSTALLED NEW REACTOR HEAD AND CONTROL ROD DRIVE MECHANISMS	2-OME-1	1
55255844-01	REPLACED VALVE AND SUPPORT BOLTING The NIS-2 Report is to be provided in a subsequent submittal due to the scheduling of the VT-2 examination. See Condition Report AR00822585.	2-SV-104W / 2-ASI-R68A	2
55256622-05	REPLACED VALVE	2-SV-45A	1
55256974-01	REPLACED BOLTING	2-RH-142	2
55257056-01	REPLACED TRIM ASSEMBLY	2-QRV-251	2
55268896-01	REPLACED SNUBBER	2-AFW-S4028-L	2
55269943-01	REPLACED SNUBBER	2-AFW-S4033	2
55270890-01	REPLACED SNUBBER	2-GBD-S569-L	2
55273764-01	REPLACED BONNET NUT	2-WCR-908	2
55274247-12	REPLACED VALVE AND BOLTING	2-VCR-10	2
55278336-01	REPLACED STEM/DISC ASSEMBLY	2-CS-300E	2
55280754-02	REPLACED GLAND PLATES	2-PP-50E	2
55281976-01	MODIFIED VENT PIPE	2-TK-33	2
55286980-47, 48, 49, 50, 51, 52, 68, 69, 70, 71. 55290163- 40, 41, 42, 43, 44, 45, 53, 54, 55, 56. 55290164-40, 41, 42, 43, 44, 45, 53, 54, 55, 56. 55290165- 42, 43, 44, 45, 46, 54, 55, 56, 57	RTD BYPASS ELIMINATION MOD - INSTALL PIPING/THERMOWELLS (MOD 2-MOD-40054)	RTD BYPASS	1

<i>Work Order</i>	<i>Description</i>	<i>Component</i>	<i>Code Class</i>
55287968-01	REPLACED STEM/PLUG ASSEMBLY	2-MRV-231	2
55290892-01	REPLACED VALVE AND SUPPORT BOLTING	2-SV-104E / 2-ASI-R71A	2
55291493-01	REPLACED STEM/PLUG ASSEMBLY	2-MRV-221	2
55297424-10	INSTALLED NEW CHECK VALVE	2-RH-164E	2
55297424-12,37	SWAP OF BONNET/INTERNALS	2-RH-128E / 2-IMO-314	2
55297630-08	INSTALLED NEW CHECK VALVE	2-RH-164W	2
55297630-10,22	SWAP OF BONNET/INTERNALS	2-RH-128W / 2-IMO-324	2
55297739-01	REPLACED GLAND PLATES	2-PP-50W	2
55304927-01	REPLACE VALVE AND PIPING	2-MS-135-1	2
55304990-02	REPLACED VALVE	2-SV-2B-1	2
55305005-02	REPLACED VALVE	2-SV-3-1	2
55305962-01	ADD WELD MATERIAL TO SUPPORT	2-GCS-R511	1
55306271-01	BLENDED OUT NOZZLE INDICATION	2-OME-6-1	2
55306459-04	REPLACED BOLTING ON PIPE FLANGE	2-VCR-104	2
55306769-01	REPLACED SNUBBER	2-AFW-S4023	2
55307253-07	REPLACE BOLTING	2-MS-135-2	2

INDIANA MICHIGAN POWER COMPANY  
DONALD C. COOK NUCLEAR PLANT, UNIT 2  
BRIDGMAN, MI  
COMMERCIAL SERVICE DATE 7-1-1978

SECTION 9

NIS-2 REPAIR AND REPLACEMENT REPORTS

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/01/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-QRV-200  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55232227-01  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: CHEMICAL VOLUME AND CONTROL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-QRV-200							
STEM/PLUG ASSY		Cat ID 0430042248 UTC 1299191	NA	ASTM A479 TP316	N/A	REPLACED	NO

7. Description of Work REPLACED STEM/PLUG ASSEMBLY

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)

**Job Order/File 55232227-01**

9. Remarks:

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date Dec 7, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITZGERALD / Jane M. Field Date DEC. 4, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/1/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 6, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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]*

Commissions NB11393 "I" MI 300537  
National Board, State, Province, and Endorsements

Date Dec 6 20 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 09/21/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-SV-45C  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55237923-16  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 1

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SV-45C							
SAFETY VALVE		Cat ID 0430036392 UTC 1290303	NA	S/N RV-1-8010C	N/A	REPLACED	NO

7. Description of Work REPLACED SAFETY VALVE

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
**Job Order/File 55237923-16**

9. Remarks: VT-2 and VT-3 Performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

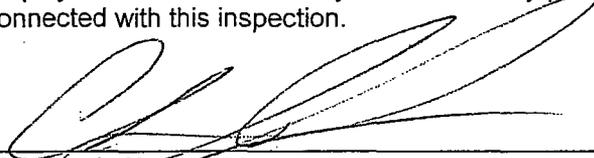
Signed  Maintenance Welding Supervisor Date DEC 6, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUC / James M. Fitchuc Date DEC. 6, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/7/07 have inspected the components described in this Owner's Report during the period from September 11, 2007 to December 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB 11393 "I" MI 300537  
Inspector's Signature National Board, State, Province, and Endorsements  
Date Dec 7 20 07

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/11/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-SV-45B  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55238004-06  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 1

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SV-45B							
SAFETY VALVE		Cat ID 0430036392 UTC 1290304	NA	S/N RV-2-8010B	N/A	REPLACED	NO

7. Description of Work REPLACED SAFETY VALVE

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55238004-06**

9. Remarks: VT-2 and VT-3 Performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Dewayne Timmons Maintenance Welding Supervisor Date Dec 6, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUK / James M. Fitchuk Date DEC 6 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 to 12/7/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB11393 "A" "N" "I" MI 300537  
Inspector's Signature National Board, State, Province, and Endorsements  
Date Dec 7 20 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/22/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component N/A Pipe Plug

JOB ORDER No. 55245887-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: CONTAINMENT SPRAY SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Seal Weld Threaded Pipe Plug							
ER 308 Filler Material	N/A	Cat ID 0430044990 UTC 1307675	NA	N/A	N/A	REPAIRED	NO

7. Description of Work REPAIRED LEAK BY SEAL WELDING

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55245887-01**

9. Remarks: VT/PT performed.

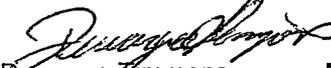
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Date Dec 4, 2007  
Dewayne Timmons Maintenance Welding Supervisor  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUK / James M. Intell Date DEC. 4, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 J. MILLER have inspected the components described in this Owner's Report during the period September 11, 2007 to December 6, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.



Inspector's Signature

Commissions NB11393 "I" MI 300537  
National Board, State, Province, and Endorsements

Date Dec 06 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/23/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-NRV-151  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55246120-01  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 1

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N416-1  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-NRV-151							
VALVE	MASONEILAN	Cat ID 0430042110 UTC 1299163	NA	ASTM A351 CF8M	N/A	REPLACED	NO
3" PIPE	N/A	Cat ID 0430016814 UTC 1294831	NA	ASME SA376 TP304	N/A	REPLACED	NO
3" 90 DEGREE ELBOW	N/A	Cat ID 0430015931 UTC 1294644	NA	ASME SA403 GR 316	N/A	REPLACED	NO
3" 45 DEGREE ELBOW	N/A	Cat ID 043019696 UTC 1295337	NA	ASME SA403 GR 316	N/A	REPLACED	NO

7. Description of Work ADDED LOOP SEAL TO SYSTEM

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
**Job Order/File 55246120-01**

9. Remarks: PT, RT and VT-2 Performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

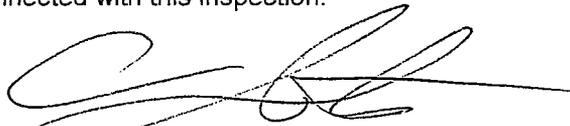
Signed  Maintenance Welding Supervisor Date Dec 6, 20 07  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC 6, 20 07  
 Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/13/07 have inspected the components described in this Owner's Report during the period September 13, 2007 to December 13, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB 11995 MI 300537  
 Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 13 20 07

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/06/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-NRV-152  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55246120-03  
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name Authorization No. N/A  
One Cook Place, Bridgman, MI 49106 Expiration Date N/A  
 Address
4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 1
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N416-1  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-NRV-152							
VALVE	MASONEILAN	Cat ID 0430042110 UTC 1299163	NA	ASTM A351 CF8M	N/A	REPLACED	NO
3" PIPE	N/A	Cat ID 0430016814 UTC 1294831	NA	ASME SA376 TP304	N/A	REPLACED	NO
3" 90 DEGREE ELBOW	N/A	Cat ID 0430015931 UTC 1294644	NA	ASME SA403 GR 316	N/A	REPLACED	NO
3" 45 DEGREE ELBOW	N/A	Cat ID 043019696 UTC 1295337	NA	ASME SA403 GR 316	N/A	REPLACED	NO

7. Description of Work ADDED LOOP SEAL TO SYSTEM

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55246120-03**

9. Remarks: PT, RT and VT-2 Performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Welding Supervisor Date Dec 6, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / Jane M. Fitcher Date DEC. 6, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 have inspected the components described in this Owner's Report during the period SEPTEMBER 19, 2007 to DEC 13, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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]* Commissions NB11993 "I" MI 300537  
Inspector's Signature National Board, State, Province, and Endorsements  
Date Dec 13 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/23/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-NRV-153  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55246120-05  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 1

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N416-1  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-NRV-153							
VALVE	MASONEILAN	Cat ID 0430042110 UTC 1299163	NA	ASTM A351 CF8M	N/A	REPLACED	NO
3" PIPE	N/A	Cat ID 0430016814 UTC 1294831	NA	ASME SA376 TP304	N/A	REPLACED	NO
3" 90 DEGREE ELBOW	N/A	Cat ID 0430015931 UTC 1294644	NA	ASME SA403 GR 316	N/A	REPLACED	NO
3" 45 DEGREE ELBOW	N/A	Cat ID 043019696 UTC 1295337	NA	ASME SA403 GR 316	N/A	REPLACED	NO

7. Description of Work ADDED LOOP SEAL TO SYSTEM

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55246120-05**

9. Remarks: PT, RT and VT-2 Performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

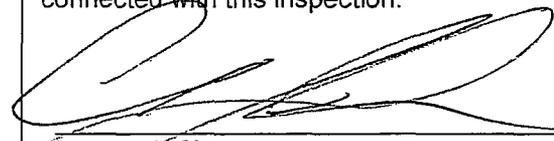
Signed  Maintenance Welding Supervisor Date Dec 6, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC. 6, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 <sup>12/14/07</sup> have inspected the components described in this Owner's Report during the period SEPTEMBER 11, 2007 to DECEMBER 14, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

  
Inspector's Signature  
Date Dec 14 2007

Commissions NB 11393 "I" MI 300537  
National Board, State, Province, and Endorsements

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/16/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-BD-103-1  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55246822-02  
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name Authorization No. N/A  
One Cook Place, Bridgman, MI 49106 Expiration Date N/A  
 Address
4. Identification of System: BLOWDOWN SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N416-1  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-BD-103-1							
VALVE	VELAN	CAT ID 430043601 UTC1299364	NA	N/A	N/A	REPLACED	NO
2" PIPE	N/A	CAT ID 430014981 UTC1294241	NA	ASME SA106 GRB	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE AND PIPE
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
**Job Order/File 55246822-02**

9. Remarks: PT and VT-2 Performed

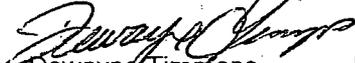
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

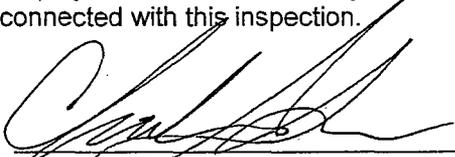
Signed  Maintenance Welding Supervisor Date DEC 6, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M Fitcher Date DEC. 6, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 8/21/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 11, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB11393 "I" MI300537  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 11 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code, Section XI**

1. Owner Indiana Michigan Power Co. Date October 26, 2007  
Name  
One Cook Place, Bridgman MI 49106, USA Sheet 1 of 5  
Address
2. Plant Donald C. Cook Nuclear Plant Unit 2  
Name  
One Cook Place, Bridgman MI 49106, USA Design Change 2-MOD-55002  
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A  
Address
4. Identification of System Reactor Vessel (2-OME-1)
5. (a) Applicable Construction Code ASME III, 1995 Edition, 1996 Addenda, Code Case N-474-2, 2142-1, 2143-1  
Year
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 Ed. No Add.  
Year
- (c) Applicable Section XI Code Cases N-416-1

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Reactor Head	AREVA	CC/DK012	N/A	N/A	2007	Installed	Yes
CRDM-Rod Travel Housing (CRDM-RTH)	Jeumont SA	DC85	N/A	1/H8	2006	Installed	No
CRDM-RTH	Jeumont SA	DC68	N/A	2/F8	2006	Installed	No
CRDM-RTH	Jeumont SA	DC81	N/A	3/H10	2006	Installed	No
CRDM-RTH	Jeumont SA	DC58	N/A	4/K8	2006	Installed	No
CRDM-RTH	Jeumont SA	DC66	N/A	5/H6	2006	Installed	No
CRDM-RTH	Jeumont SA	DC63	N/A	6/F10	2006	Installed	No
CRDM-RTH	Jeumont SA	DC78	N/A	7/K10	2006	Installed	No
CRDM-RTH	Jeumont SA	DC98	N/A	8/K6	2006	Installed	No
CRDM-RTH	Jeumont SA	DC82	N/A	9/F6	2006	Installed	No
CRDM-RTH	Jeumont SA	DC90	N/A	14/D8	2006	Installed	No
CRDM-RTH	Jeumont SA	DC79	N/A	15/H12	2006	Installed	No
CRDM-RTH	Jeumont SA	DC80	N/A	16/M8	2006	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt

Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code, Section XI**

1. Owner Indiana Michigan Power Co. Date October 26, 2007  
Name  
One Cook Place, Bridgman MI 49106, USA Sheet 2 of 5  
Address
2. Plant Donald C. Cook Nuclear Plant Unit 2  
Name  
One Cook Place, Bridgman MI 49106, USA Design Change 2-MOD-55002  
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A  
Address
4. Identification of System Reactor Vessel (2-OME-1)
5. (a) Applicable Construction Code ASME III, 1995 Edition, 1996 Addenda, Code Case N-474-2, 2142-1, 2143-1  
Year
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 Ed. No Add.  
Year
- (c) Applicable Section XI Code Cases N-416-1

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRDM-RTH	Jeumont SA	DC104	N/A	17/H4	2006	Installed	No
CRDM-RTH	Jeumont SA	DC93	N/A	30/C9	2006	Installed	No
CRDM-RTH	Jeumont SA	DC64	N/A	31/G13	2006	Installed	No
CRDM-RTH	Jeumont SA	DC65	N/A	32/J13	2006	Installed	No
CRDM-RTH	Jeumont SA	DC87	N/A	33/N9	2006	Installed	No
CRDM-RTH	Jeumont SA	DC91	N/A	34/N7	2006	Installed	No
CRDM-RTH	Jeumont SA	DC73	N/A	35/J3	2006	Installed	No
CRDM-RTH	Jeumont SA	DC56	N/A	36/G3	2006	Installed	No
CRDM-RTH	Jeumont SA	DC95	N/A	37/C7	2006	Installed	No
CRDM-RTH	Jeumont SA	DC77	N/A	38/D12	2006	Installed	No
CRDM-RTH	Jeumont SA	DC89	N/A	39/M12	2006	Installed	No
CRDM-RTH	Jeumont SA	DC106	N/A	40/M4	2006	Installed	No
CRDM-RTH	Jeumont SA	DC59	N/A	41/D4	2006	Installed	No
CRDM-RTH	Jeumont SA	DC88	N/A	42/C11	2006	Installed	No
CRDM-RTH	Jeumont SA	DC86	N/A	43/E13	2006	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code, Section XI**

1. Owner Indiana Michigan Power Co. Date October 26, 2007  
Name  
One Cook Place, Bridgman MI 49106, USA Sheet 3 of 5  
Address
2. Plant Donald C. Cook Nuclear Plant Unit 2  
Name  
One Cook Place, Bridgman MI 49106, USA Design Change 2-MOD-55002  
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A  
Address
4. Identification of System Reactor Vessel (2-OME-1)
5. (a) Applicable Construction Code ASME III, 1995 Edition, 1996 Addenda, Code Case N-474-2, 2142-1, 2143-1  
Year
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 Ed. No Add.  
Year
- (c) Applicable Section XI Code Cases N-416-1

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRDM-RTH	Jeumont SA	DC71	N/A	44/L13	2006	Installed	No
CRDM-RTH	Jeumont SA	DC84	N/A	45/N11	2006	Installed	No
CRDM-RTH	Jeumont SA	DC83	N/A	46/N5	2006	Installed	No
CRDM-RTH	Jeumont SA	DC103	N/A	47/L3	2006	Installed	No
CRDM-RTH	Jeumont SA	DC67	N/A	48/E3	2006	Installed	No
CRDM-RTH	Jeumont SA	DC69	N/A	49/C5	2006	Installed	No
CRDM-RTH	Jeumont SA	DC94	N/A	50/B8	2006	Installed	No
CRDM-RTH	Jeumont SA	DC55	N/A	51/H14	2006	Installed	No
CRDM-RTH	Jeumont SA	DC99	N/A	52/P8	2006	Installed	No
CRDM-RTH	Jeumont SA	DC72	N/A	53/H2	2006	Installed	No
CRDM-RTH	Jeumont SA	DC105	N/A	54/B10	2006	Installed	No
CRDM-RTH	Jeumont SA	DC54	N/A	55/F14	2006	Installed	No
CRDM-RTH	Jeumont SA	DC96	N/A	56/K14	2006	Installed	No
CRDM-RTH	Jeumont SA	DC97	N/A	57/P10	2006	Installed	No
CRDM-RTH	Jeumont SA	DC61	N/A	58/P6	2006	Installed	No
CRDM-RTH	Jeumont SA	DC76	N/A	59/K2	2006	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt

Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/4 x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code, Section XI**

1. Owner Indiana Michigan Power Co. Date October 26, 2007  
Name  
One Cook Place, Bridgman MI 49106, USA Sheet 4 of 5  
Address
2. Plant Donald C. Cook Nuclear Plant Unit 2  
Name  
One Cook Place, Bridgman MI 49106, USA Design Change 2-MOD-55002  
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A  
Address
4. Identification of System Reactor Vessel (2-OME-1)
5. (a) Applicable Construction Code ASME III, 1995 Edition, 1996 Addenda, Code Case N-474-2, 2142-1, 2143-1  
Year
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 1989 Ed. No Add.  
Year
- (c) Applicable Section XI Code Cases N-416-1

6. Identification of Components:

CRDM-RTH	Jeumont SA	DC75	N/A	60/F2	2006	Installed	No
CRDM-RTH	Jeumont SA	DC62	N/A	61/B6	2006	Installed	No
CRDM-RTH	Jeumont SA	DC60	N/A	66/B12	2006	Installed	No
CRDM-RTH	Jeumont SA	DC102	N/A	67/D14	2006	Installed	No
CRDM-RTH	Jeumont SA	DC100	N/A	68/M14	2006	Installed	No
CRDM-RTH	Jeumont SA	DC57	N/A	69/P12	2006	Installed	No
CRDM-RTH	Jeumont SA	DC92	N/A	70/P4	2006	Installed	No
CRDM-RTH	Jeumont SA	DC101	N/A	71/M2	2006	Installed	No
CRDM-RTH	Jeumont SA	DC74	N/A	72/D2	2006	Installed	No
CRDM-RTH	Jeumont SA	DC70	N/A	73/B4	2006	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure  Exempt

Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/4 x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

**FORM NIS-2 (Back)**

9. Remarks: N-2 forms for the Reactor Vessel Head and CRDMs are attached. NR-1 forms for CRDM are attached.

Applicable Manufacturer's Data Reports to be attached

Other items installed are as follows:

Thermocouple Exit Column Sealing Assemblies, Serial Numbers DC 06 thru DC 10.

AREVA NP CR 2007-4621 documents a smoothing of the RVCH lower flange surface at the DC Cook Site.

See AEP Work Order 55253424 and Design Change 2-MOD-55002.

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

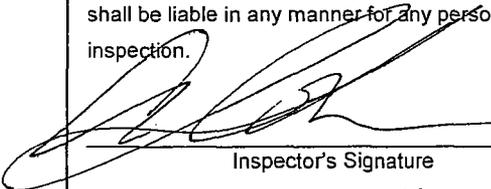
Certificate of Authorization No. N/A

Signed James M. Fitchuk / James M Fitchuk Date Dec. 4 2007  
 AEP ASME Section XI Repair/Replacement Program Owner

**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 MI and employed by (1) of (2) have inspected the components described in this Owner's Report during the period SEPTEMBER 15, 2007 to OCTOBER 31, 2007 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.



Inspector's Signature

Commissions NB 11393 "I" "N" "A" MI 300537  
 National Board, State, Province, and Endorsements

Date DECEMBER 4, 2007

(1) ONE CIS INSURANCE Company (2) BOSTON, MASSACHUSETTS

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES**  
As Required by the Provisions of the ASME Code Section III  
Not to Exceed One Day's Production

A 0 009

Pg. 1 of 4

1. Manufactured and certified by AREVA NP Usine de Chalon/Saint Marcel  
(Name and address of Certificate Holder)  
Zone Industrielle et Portuaire Sud - 71380 SAINT MARCEL - FRANCE

2. Manufactured for INDIANA MICHIGAN POWER COMPANY  
(Name and address of Purchaser)  
Donald C. Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106, USA

3. Location of Installation Donald C. Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106, USA

4. Type (See supplementary pages 3 & 4) N/A 2007  
(drawing no.) (mat'l spec no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1 1995 Addenda trough 1996 1 N-474-2, 2142-1, 2143-1  
(edition) (addenda) (class) (code case no.)

6. Fabricated in accordance with Const. Spec. (Div 2 only) N/A Revision / Date /  
(no.)

7. Remarks:  
- Integrated Latch Housings (ILH) (items BR/XXX) were welded onto CRDM nozzles by AREVA NP St Marcel.  
- ILH design Report was performed by Jeumont S.A. and certified by  
TIMOTHY M. WIGER (PE state VI, Reg No. 0402 029800 )  
- ILH were hydrotested with the Reactor, Vessel Closure Head.

8. Nom. Thickness (in.) N/A Min. des thickness (in.) 6.50" Dia. ID (ft & in.) 13' 11.38"  
Length overall (ft & in.) 13' 2.24"

9. When applicable, Certificate Holders' Data Reports are attached for each item on this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
1. CC/DK012	N/A	19.	
2.		20.	
3.		21.	
4.		22.	
5.		23.	
6.		24.	
7.		25.	
8.		26.	
9.		27.	
10.		28.	
11.		29.	
12.		30.	
13.		31.	
14.		32.	
15.		33.	
16.		34.	
17.		35.	
18.		36.	

10. Design Pressure 2485 psig Temp. 650 Deg. F Hydro. Test Pressure See Sup Page 4 @ Temp Deg F

Certificate Holders' Serial Nos CC/DK012 through 1

**CERTIFICATION OF DESIGN**

Design Specifications Certified by Charles M. SCRABIS P.E. State PA Reg. No. 23864-E

Design Report Certified by B. DJAZMATI P.E. State WI Reg. No. E-34425

**CERTIFICATE OF COMPLIANCE**

We Certify that the statements made in this report are correct and that this (these) Reactor Vessel Closure Head conforms to the rules of construction of the ASME Code, Section III Division 1

NPT Certification of Authorization No. N-2772 Expires: Jan. 29, 2009

Date 05/16/07 Name AREVA NP Signed G. FRONTIERE

**CERTIFICATE OF 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 OHIO and employed by HARTFORD STEAM BOILER of CT have inspected these items described in this Data Report on 19<sup>th</sup> APRIL 2007

and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or Appurtenances in accordance with the ASME Code, Section III, Division 1. Each Part has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his Employer makes any warranty expressed or implied concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his Employer shall be liable for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 16<sup>th</sup> MAY 2007 Signed [Signature] Commissions CB 12288 'N' OH-187

(Authorized Nuclear Inspector)

(Natl Board Endsmts, State or Prov. and no.)

A 0 011

**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET**  
As Required by the Provisions of the ASME Code Section III

Certificate Holder's Serial Nos. CC/DK012 Pg. 3 of 4

1. Manufactured and certified by AREVA NP Usine de Chalon/Saint Marcel  
(Name and address of Certificate Holder)  
Zone Industrielle et Portuaire Sud - 71380 SAINT MARCEL - FRANCE
2. Manufactured for INDIANA MICHIGAN POWER COMPANY  
(Name and address of Purchaser)  
Donald C. Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106, USA
3. Location of Installation Donald C. Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106, USA
4. Component or Part REACTOR VESSEL REPLACEMENT CLOSURE HEAD
5. 2007 (year built)      N/A (CRN)      N/A (Nat'l Board No.)

Data Items by Line No.			
4	Drawing No.	Rev.	
	BUMPK/NCC 1012	A	
	Material Spec. No.	ASME material	
	Closure head (item CV/001)	SA -508 Gr 3 Class 1	
	CRDM nozzles (items TD/XXX)	SB -167 UNS N06690	
	CRDM flanges with ILH (items BR/XXX)	SA-182M F304	
	Lifting lugs (items OL/001)	SA-533 Type B Cl 1	
	Support lugs (items DV/001)	SA-533 Type B Cl 1	
	TC nozzles (items TD/XXX)	SB -167 UNS N06690	
	TC flanges (items BR/XXX)	SA-182M F304	
	Vent Pipe / RVLIS Extension (TU/001-XX)	SA-376 TP 316	
	Vent Pipe / RVLIS Nozzle (TU/002-XX)	SB-167 UNS N06690	
	Tensile Strength (min. SU - Note 1)	At 68°F	At 650°F
	Closure head (item CV/001)	80 ksi	80 ksi
	CRDM nozzles (items TD/XXX)	85 ksi	80 ksi
	CRDM flanges with ILH (items BR/XXX)	75 ksi	63.4 ksi
	Lifting lugs (item OL/001)	80 ksi	80 ksi
	Support lugs (items DV/001)	80 ksi	80 ksi
	TC nozzles (items TD/XXX)	85 ksi	80 ksi
	TC flanges (items BR/XXX)	75 ksi	63.4 ksi
	Vent Pipe / RVLIS Extension (TU/001-XX)	75 ksi	71.8 ksi
	Vent Pipe / RVLIS Nozzle (TU/002-XX)	85 ksi	80 ksi
	Note 1 : Min. tensile strength value SU from ASME Code, Section III, Division 1,		
	Appendices, Table I-3.0 which refers to Section II, Part D, Subpart 1, Table U.		

Date 05/16/07 Name AREVA NP Signed C. FRONTIERE  
(Certificate Holder) (Authorized representative)

Date 16<sup>th</sup> MAY 2007

Signed [Signature] Commissions NB 12288 N OH187  
(Authorized Nuclear Inspector) (Nat'l Board (Inc. Endorsements), State, Province and No)



*below*  
*June 10 2007* *change page numbers*  
*from 003 to 040*

009  
008

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
 NUCLEAR PARTS AND APPURTENANCES\***  
**As Required by the Provisions of the ASME Code, Section III  
 Not to Exceed One Day's Production**

JEUMONT S.A. - Nuclear Components Division

1. Manufactured and certified by 27, rue de l'Industrie - 59573 JEUMONT CEDEX FRANCE  
(name and address of NPT Certificate Holder)
2. Manufactured for AREVA-NP Inc. - 3315 Old Forest Road - LYNCHBURG - VA 24506 (USA)  
(name and address of purchaser)
3. Location of installation DONALD C. Cook Nuclear Plant Unit 1, Bridgman, MICHIGAN (USA)  
(name and address)
4. Type IGA20014 revision E SA182M-F304 70 Ksi Not Applicable 2006  
(drawing no) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1995 1996 1 None  
(edition) (addenda date) (class) (Code Case no)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) Not Applicable Revision Not Applicable Date Not Applicable  
(no.)
7. Remarks: Jeumont S.A. responsible for complete design of appurtenance.  
Integrated latch housing assembly hydro tested by AREVA-NP Chalon-sur-Saône, France.  
Final assembly and seal weld completed and tested by owner.
8. Nom. thickness (in.) 0.485 in Min. design thickness (in.) 0.460 in  
 Dia. ID (ft & in.) 2.84 in Length overall (ft & in.) 165.28 in
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

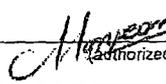
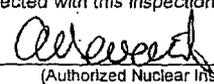
Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) DC 21	Not Applicable	(29)	
(2) DC 22	Not Applicable	(30)	
(3) DC 27	Not Applicable	(31)	
(4) DC 40	Not Applicable	(32)	
(5) DC 45	Not Applicable	(33)	
(6) DC 50	Not Applicable	(34)	
(7) DC 54	Not Applicable	(35)	
(8) DC 55	Not Applicable	(36)	
(9)		(37)	
(10)		(38)	
(11)		(39)	
(12)		(40)	
(13)		(41)	
(14)		(42)	
(15)		(43)	
(16)		(44)	
(17)		(45)	
(18)		(46)	
(19)		(47)	
(20)		(48)	
(21)		(49)	
(22)		(50)	
(23)		(51)	
(24)		(52)	
(25)		(53)	
(26)		(54)	
(27)		(55)	
(28)			

10. Design pressure 2485 psig Temp. 650 °F Hydro. test pressure 3107 psig at temp. Ambient °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield NJ 07007-2300.

Certificate Holder's Serial Nos. DC 21 - DC 22 - DC 27 - DC 40 - DC 45 - DC 50 - DC 54 - DC 55

<b>CERTIFICATION OF DESIGN</b>			
Design Specifications certified by	<u>MATTHEW P. MILLER</u> <small>(when applicable)</small>	P.E. State	<u>VIRGINIA</u> Reg. no. <u>036349</u>
Design Report certified by	<u>TIMOTHY MARK WIGER</u> <small>(when applicable)</small>	P.E. State	<u>VIRGINIA</u> Reg. no. <u>029800</u>
<b>CERTIFICATION OF COMPLIANCE</b>			
We certify that the statements made in this report are correct and that this (these) <u>CRDM rod travel housing assemblies</u> conforms to the rules of construction of the ASME Code, Section III, Division 1.			
NPT Certificate of Authorization No.	<u>N-3058</u>	Expires	<u>November 23<sup>rd</sup>, 2007</u>
Date	<u>May 18<sup>th</sup> 2006</u>	Name	<u>JEUMONT S.A. (FRANCE)</u> <small>(NPT Certificate Holder)</small>
		Signed	 <small>Authorized representative</small>
<b>CERTIFICATION OF INSPECTION</b>			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>NEW YORK</u> and employed by <u>HSB of CT</u> of <u>HARTFORD (CT)</u> have inspected these items described in this Data Report on <u>29 Feb 2006</u> , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.			
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data 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.			
Date	<u>19 May '06</u>	Signed	 <small>(Authorized Nuclear Inspector)</small>
		Commissions	<u>A.I.N. NY 5258</u> <small>(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)</small>

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

011  
~~010~~

JEUMONT S.A. - Nuclear Components Division

1. Manufactured and certified by 27, rue de l'Industrie - 59573 JEUMONT CEDEX FRANCE  
(name and address of NPT Certificate Holder)
2. Manufactured for AREVA-NP Inc. - 3315 Old Forest Road - LYNCHBURG - VA 24506 (USA)  
(name and address of purchaser)
3. Location of installation DONALD C. Cook Nuclear Plant Unit 2, Bridgman, MICHIGAN (USA)  
(name and address)
4. Type 1GA20074 revision C SA182M-F304 70 Ksi Not Applicable 2006  
(drawing no) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1995 1996 1 None  
(edition) (addenda date) (class) (Code Case no)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) Not Applicable Revision Not Applicable Date Not Applicable  
(no.)
7. Remarks: Jeumont S.A. responsible for complete design of appurtenance.  
Integrated latch housing assembly hydro tested by AREVA-NP Chalon-sur-Saône, France.  
Final assembly and seal weld shall be completed by AREVA NP INC controlled in accordance with the AREVA NP ASME Code Program and AREVA NP Replacement Plan. The final system leakage testing will be completed at the DC Cook site by AEP in accordance with Section XI as per NB-6114.2 (b).
8. Nom. thickness (in.) 0.485 in Min. design thickness (in.) 0.460 in  
Dia. ID (ft & in.) 2.84 in Length overall (ft & in.) 165.28 in
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) DC 64	Not Applicable
(2) DC 65	Not Applicable
(3) DC 71	Not Applicable
(4) DC 96	Not Applicable
(5) DC 100	Not Applicable
(6) DC 102	Not Applicable
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	
(26)	
(27)	
(28)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	
(51)	
(52)	
(53)	
(54)	
(55)	

10. Design pressure 2485 psig Temp. 650 °F Hydro. test pressure 3107 psig at temp. Ambient °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield NJ 07007-2300.

012  
011

Certificate Holder's Serial Nos. DC64-DC65-DC71-DC96-DC100-DC102

**CERTIFICATION OF DESIGN**

Design Specifications certified by MATTHEW P. MILLER P.E. State VIRGINIA Reg. no. 036349  
(when applicable)

Design Report certified by TIMOTHY MARK WIGER P.E. State VIRGINIA Reg. no. 029800  
(when applicable)

**CERTIFICATION OF COMPLIANCE**

We certify that the statements made in this report are correct and that this (these) CRDM rod travel housing assemblies conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N - 3058 Expires November 23<sup>rd</sup>, 2007

Date Nov 16<sup>th</sup> 2006 Name JEUMONT S.A. (FRANCE) Signed [Signature]  
(NPT Certificate Holder) (Authorized representative)

**CERTIFICATION OF 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 NEW YORK and employed by HSB of CT of HARTFORD (CT) have inspected these items described in this Data Report on 2 Oct '06, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data 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.

Date 16 Nov '06 Signed [Signature] Commissions A1N NY5258  
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

013  
012

JEUMONT S.A. - Nuclear Components Division

1. Manufactured and certified by 27, rue de l'Industrie - 59573 JEUMONT CEDEX FRANCE  
(name and address of NPT Certificate Holder)
2. Manufactured for AREVA-NP Inc. - 3315 Old Forest Road - LYNCHBURG - VA 24506 (USA)  
(name and address of purchaser)
3. Location of installation DONALD C. Cook Nuclear Plant Unit 2, Brideman, MICHIGAN (USA)  
(name and address)
4. Type IGA20074 revision C SA182M-F304 70 Ksi Not Applicable 2006  
(drawing no) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1995 1996 I None  
(edition) (addenda date) (class) (Code Case no)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) Not Applicable Revision Not Applicable Date Not Applicable  
(no.)
7. Remarks: Jeumont S.A. responsible for complete design of appurtenance.  
Integrated latch housing assembly hydro tested by AREVA-NP Chalon-sur-Saône, France.  
Final assembly and seal weld shall be completed by AREVA NP INC controlled in accordance with the AREVA  
NP ASME Code Program and AREVA NP Replacement Plan. The final system leakage testing will be completed  
at the DC Cook site by AEP in accordance with Section XI as per NB-6114.2 (b).
8. Nom. thickness (in.) 0.485 in Min. design thickness (in.) 0.460 in  
Dia. ID (ft & in.) 2.84 in Length overall (ft & in.) 165.28 in
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) DC56	Not Applicable
(2) DC57	Not Applicable
(3) DC61	Not Applicable
(4) DC66	Not Applicable
(5) DC73	Not Applicable
(6) DC76	Not Applicable
(7) DC77	Not Applicable
(8) DC83	Not Applicable
(9) DC84	Not Applicable
(10) DC86	Not Applicable
(11) DC91	Not Applicable
(12) DC93	Not Applicable
(13) DC94	Not Applicable
(14) DC95	Not Applicable
(15) DC103	Not Applicable
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
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(23)	
(24)	
(25)	
(26)	
(27)	
(28)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
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(39)	
(40)	
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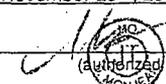
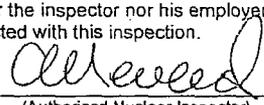
10. Design pressure 2485 psig Temp. 650 °F Hydro. test pressure 3107 psig at temp. Ambient °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield NJ 07007-2300.

014  
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Certificate Holder's Serial Nos. DC56-DC57-DC61-DC66-DC73-DC76-DC77-DC83-DC84-DC86-DC91-DC93-DC94-DC95-DC103

CERTIFICATION OF DESIGN	
Design Specifications certified by <u>MATTHEW P. MILLER</u>	P.E. State <u>VIRGINIA</u> Reg. no. <u>036349</u>
<small>(when applicable)</small>	
Design Report certified by <u>TIMOTHY MARK WIGER</u>	P.E. State <u>VIRGINIA</u> Reg. no. <u>029800</u>
<small>(when applicable)</small>	
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in this report are correct and that this (these) <u>CRDM rod travel housing assemblies</u> conforms to the rules of construction of the ASME Code, Section III, Division 1.	
NPT Certificate of Authorization No. <u>N-3058</u>	Expires <u>November 23<sup>rd</sup>, 2007</u>
Date <u>Nov 16<sup>th</sup> 2006</u> Name <u>JEUMONT S.A. (FRANCE)</u>	Signed 
<small>(NPT Certificate Holder)</small>	<small>(Authorized representative)</small>
CERTIFICATION OF 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 <u>NEW YORK</u> and employed by <u>HSB of CT</u> of <u>HARTFORD (CT)</u> have inspected these items described in this Data Report on <u>30 Oct '06</u> , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data 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.	
Date <u>16 Nov '06</u> Signed 	Commissions <u>A1N NY 18268</u>
<small>(Authorized Nuclear Inspector)</small>	<small>(Natl. Bd. (incl. endorsements) and state or prov. and no.)</small>

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

015  
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JEUMONT S.A. - Nuclear Components Division

1. Manufactured and certified by 27, rue de l'Industrie - 59573 JEUMONT CEDEX FRANCE  
(name and address of NPT Certificate Holder)
2. Manufactured for AREVA-NP Inc. - 3315 Old Forest Road - LYNCHBURG - VA 24506 (USA)  
(name and address of purchaser)
3. Location of installation DONALD C. Cook Nuclear Plant Unit 2, Bridgman, MICHIGAN (USA)  
(name and address)
4. Type IGA20074 revision C SA182M-F304 70 Ksi Not Applicable 2006  
(drawing no) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1995 1996 1 None  
(edition) (addenda date) (class) (Code Case no)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) Not Applicable Revision Not Applicable Date Not Applicable  
(no.)
7. Remarks: Jeumont S.A. responsible for complete design of appurtenance.  
Integrated latch housing assembly hydro tested by AREVA-NP Chalon-sur-Saône, France.  
Final assembly and seal weld shall be completed by AREVA NP INC controlled in accordance with the AREVA  
NP ASME Code Program and AREVA NP Replacement Plan. The final system leakage testing will be completed  
at the DC Cook site by AEP in accordance with Section XI as per NB-6114.2 (b).
8. Nom. thickness (in.) 0.485 in Min. design thickness (in.) 0.460 in  
Dia. ID (ft & in.) 2.84 in Length overall (ft & in.) 165.28 in
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) DC 62	Not Applicable	(29)	
(2) DC 63	Not Applicable	(30)	
(3) DC 70	Not Applicable	(31)	
(4) DC 72	Not Applicable	(32)	
(5) DC 74	Not Applicable	(33)	
(6) DC 75	Not Applicable	(34)	
(7) DC 78	Not Applicable	(35)	
(8) DC 80	Not Applicable	(36)	
(9) DC 89	Not Applicable	(37)	
(10) DC 90	Not Applicable	(38)	
(11) DC 92	Not Applicable	(39)	
(12) DC 98	Not Applicable	(40)	
(13) DC 101	Not Applicable	(41)	
(14) DC 105	Not Applicable	(42)	
(15) DC 106	Not Applicable	(43)	
(16)		(44)	
(17)		(45)	
(18)		(46)	
(19)		(47)	
(20)		(48)	
(21)		(49)	
(22)		(50)	
(23)		(51)	
(24)		(52)	
(25)		(53)	
(26)		(54)	
(27)		(55)	
(28)			

10. Design pressure 2485 psig Temp. 650 °F Hydro. test pressure 3107 psig at temp. Ambient °F  
(when applicable)

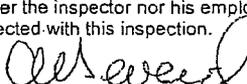
\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield NJ 07007-2300.

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FORM N-2 (Back — Pg. 2 of 2)

Certificate Holder's Serial Nos. DC62-DC63-DC70-DC72-DC74-DC75-DC78-DC80-DC89-DC90-DC92-DC98-DC101-DC105-DC106

CERTIFICATION OF DESIGN			
Design Specifications certified by <u>MATTHEW P. MILLER</u>	P.E. State <u>VIRGINIA</u>	Reg. no. <u>036349</u>	
<small>(when applicable)</small>			
Design Report certified by <u>TIMOTHY MARK WIGER</u>	P.E. State <u>VIRGINIA</u>	Reg. no. <u>029800</u>	
<small>(when applicable)</small>			
CERTIFICATION OF COMPLIANCE			
We certify that the statements made in this report are correct and that this (these) <u>CRDM rod travel housing assemblies</u> conforms to the rules of construction of the ASME Code, Section III, Division 1.			
NPT Certificate of Authorization No. <u>N - 3058</u>		Expires <u>November 23<sup>rd</sup>, 2007</u>	
Date <u>Nov 16<sup>th</sup> 2006</u>	Name <u>JEUMONT S.A. (FRANCE)</u>	Signed 	<small>(Authorized representative)</small>
<small>(NPT Certificate Holder)</small>			
CERTIFICATION OF 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 <u>NEW YORK</u> and employed by <u>HSB of CT</u> of <u>HARTFORD (CT)</u> have inspected these items described in this Data Report on <u>4 Oct '06</u> , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data 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.			
Date <u>16 Nov '06</u>	Signed 	Commissions <u>A1N NY 6268</u>	
<small>(Authorized Nuclear Inspector)</small>		<small>(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)</small>	

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

017  
~~016~~

JEUMONT S.A. - Nuclear Components Division

1. Manufactured and certified by 27, rue de l'Industrie - 59573 JEUMONT CEDEX FRANCE  
(name and address of NPT Certificate Holder)
2. Manufactured for AREVA-NP Inc. - 3315 Old Forest Road - LYNCHBURG - VA 24506 (USA)  
(name and address of purchaser)
3. Location of installation DONALD C. Cook Nuclear Plant Unit 2, Bridgman, MICHIGAN (USA)  
(name and address)
4. Type 1GA20074 revision C SA182M-F304 70 Ksi Not Applicable 2006  
(drawing no) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1995 1996 1 None  
(edition) (addenda date) (class) (Code Case no)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) Not Applicable Revision Not Applicable Date Not Applicable  
(no.)
7. Remarks: Jeumont S.A. responsible for complete design of appurtenance.  
Integrated latch housing assembly hydro tested by AREVA-NP Chalon-sur-Saône, France.  
Final assembly and seal weld shall be completed by AREVA NP INC controlled in accordance with the AREVA NP ASME Code Program and AREVA NP Replacement Plan. The final system leakage testing will be completed at the DC Cook site by AEP in accordance with Section XI as per NB-6114.2 (b).
8. Nom. thickness (in.) 0.485 in Min. design thickness (in.) 0.460 in  
Dia. ID (ft & in.) 2.84 in Length overall (ft & in.) 165.28 in
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) DC 58	Not Applicable
(2) DC 59	Not Applicable
(3) DC 68	Not Applicable
(4) DC 69	Not Applicable
(5) DC 81	Not Applicable
(6) DC 82	Not Applicable
(7) DC 85	Not Applicable
(8) DC 87	Not Applicable
(9) DC 88	Not Applicable
(10) DC 97	Not Applicable
(11) DC 99	Not Applicable
(12) DC 104	Not Applicable
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
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(22)	
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(25)	
(26)	
(27)	
(28)	

Part or Appurtenance Serial Number	National Board No. in Numerical Order
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
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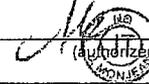
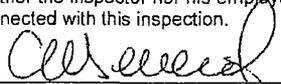
10. Design pressure 2485 psig Temp. 650 °F Hydro. test pressure 3107 psig at temp. Ambient °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield NJ 07007-2300.

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Certificate Holder's Serial Nos. DC58-DC59-DC68-DC69-DC81-DC82-DC85-DC87-DC88-DC97-DC99-DC104

CERTIFICATION OF DESIGN	
Design Specifications certified by <u>MATTHEW P. MILLER</u> <small>(when applicable)</small>	P.E. State <u>VIRGINIA</u> Reg. no. <u>036349</u>
Design Report certified by <u>TIMOTHY MARK WIGER</u> <small>(when applicable)</small>	P.E. State <u>VIRGINIA</u> Reg. no. <u>029800</u>
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in this report are correct and that this (these) <u>CRDM rod travel housing assemblies</u> conforms to the rules of construction of the ASME Code, Section III, Division 1.	
NPT Certificate of Authorization No. <u>N -- 3058</u>	Expires <u>November 23<sup>rd</sup>, 2007</u>
Date <u>Nov - 16<sup>th</sup> 2006</u> Name <u>JEUMONT S.A. (FRANCE)</u> <small>(NPT Certificate Holder)</small>	Signed  <small>(authorized representative)</small>
CERTIFICATION OF 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 <u>NEW YORK</u> and employed by <u>HSB of CT</u> of <u>HARTFORD (CT)</u> have inspected these items described in this Data Report on <u>5 Oct '06</u> , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data 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.	
Date <u>16 Nov '06</u> Signed  <small>(Authorized Nuclear Inspector)</small>	Commissions <u>A1W NY6258</u> <small>(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)</small>

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
NUCLEAR PARTS AND APPURTENANCES\***  
As Required by the Provisions of the ASME Code, Section III  
Not to Exceed One Day's Production

019

~~018~~

JEUMONT S.A. - Nuclear Components Division

1. Manufactured and certified by 27, rue de l'Industrie - 59573 JEUMONT CEDEX FRANCE  
(name and address of NPT Certificate Holder)
2. Manufactured for AREVA-NP Inc. - 3315 Old Forest Road - LYNCHBURG - VA 24506 (USA)  
(name and address of purchaser)
3. Location of installation DONALD C. Cook Nuclear Plant Unit 2, Bridgman, MICHIGAN (USA)  
(name and address)
4. Type 1GA20074 revision C SA182M-F304 70 Ksi Not Applicable 2006  
(drawing no) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1995 1996 1 None  
(edition) (addenda date) (class) (Code Case no)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) Not Applicable Revision Not Applicable Date Not Applicable  
(no.)
7. Remarks: Jeumont S.A. responsible for complete design of appurtenance.  
Integrated latch housing assembly hydro tested by AREVA-NP Chalons-sur-Saône, France.  
Final assembly and seal weld shall be completed by AREVA NP INC controlled in accordance with the AREVA  
NP ASME Code Program and AREVA NP Replacement Plan. The final system leakage testing will be completed  
at the DC Cook site by AEP in accordance with Section XI as per NB-6114.2 (b).
8. Nom. thickness (in.) 0.485 in Min. design thickness (in.) 0.460 in  
Dia. ID (ft & in.) 2.84 in Length overall (ft & in.) 165.28 in
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) DC 60	Not Applicable	(29)	
(2) DC 67	Not Applicable	(30)	
(3) DC 79	Not Applicable	(31)	
(4)		(32)	
(5)		(33)	
(6)		(34)	
(7)		(35)	
(8)		(36)	
(9)		(37)	
(10)		(38)	
(11)		(39)	
(12)		(40)	
(13)		(41)	
(14)		(42)	
(15)		(43)	
(16)		(44)	
(17)		(45)	
(18)		(46)	
(19)		(47)	
(20)		(48)	
(21)		(49)	
(22)		(50)	
(23)		(51)	
(24)		(52)	
(25)		(53)	
(26)		(54)	
(27)		(55)	
(28)			

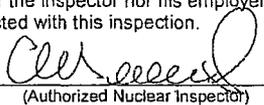
10. Design pressure 2485 psig Temp. 650 °F Hydro. test pressure 3107 psig at temp. Ambient °F  
(when applicable)

\* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E00040) may be obtained from the Order Dept. ASME, 22 Law Drive, Box 2300, Fairfield NJ 07007-2300.

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Certificate Holder's Serial Nos. DC60-DC67-DC79

CERTIFICATION OF DESIGN	
Design Specifications certified by <u>MATTHEW P. MILLER</u> <small>(when applicable)</small>	P.E. State <u>VIRGINIA</u> Reg. no. <u>036349</u>
Design Report certified by <u>TIMOTHY MARK WIGER</u> <small>(when applicable)</small>	P.E. State <u>VIRGINIA</u> Reg. no. <u>029800</u>
CERTIFICATION OF COMPLIANCE	
We certify that the statements made in this report are correct and that this (these) <u>CRDM rod travel housing assemblies</u> conforms to the rules of construction of the ASME Code, Section III, Division 1.	
NPT Certificate of Authorization No. <u>N - 3058</u>	Expires <u>November 23<sup>rd</sup>, 2007</u>
Date <u>Nov 16<sup>th</sup> 2006</u> Name <u>JEUMONT S.A. (FRANCE)</u> <small>(NPT Certificate Holder)</small>	Signed  <small>(authorized representative)</small>
CERTIFICATION OF 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 <u>NEW YORK</u> and employed by <u>HSB of CT</u> of <u>HARTFORD (CT)</u> have inspected these items described in this Data Report on <u>16 Oct 2006</u> , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.	
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data 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.	
Date <u>16 Nov '06</u> Signed  <small>(Authorized Nuclear Inspector)</small>	Commissions <u>AIN NYE258</u> <small>(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)</small>



11. Description of work Thermal sleeves, guide funnels, latch assemblies, and rod travel  
(use of properly identified additional sheet(s) or sketch(es) is acceptable)

\_\_\_\_\_ housings were all installed as non-ASME code work. All 53 rod travel housings  
(items in 5b) were threaded on to the RV Head Integrated Latch Housings (item 1 in 5a),  
then seal welded in accordance with ASME Section III 1995 Edition and 1996 Addenda.  
All work was completed in accordance with DC Cook 2 CRDM installation traveler  
(AREVA NP Document number 50-9041562-000) in St Marcel, France.

12. Remarks The pressure test will be completed at the DC Cook site in conjunction  
with the system leakage test (Code Case N-416-1) and VT-2 testing performed as  
part of the head installation. NR-1 name plate with stamp shall be affixed to the  
RVCH after site welding is complete but prior to system leakage test. The system  
leakage test will be performed by AEP. Form NIS-2 shall be the responsibility of  
AEP. The AEP ANII will sign the Form NIS-2 after VT-2 Testing at the DC Cook site.

CERTIFICATE OF COMPLIANCE

I, Mark Pierce, certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification, or replacement activities described above conform to Section XI of the ASME Code and the *National Board Inspection Code "NR"* rules.

National Board Certificate of Authorization No. NR-64 to use the "NR" stamp expires May 17, 2009

NR Certificate Holder AREVA NP Inc.

Date July 5, 2007 Signed Mark Pierce Quality Assurance  
(name) (authorized representative) (title)

CERTIFICATE OF INSPECTION

I, Angus Beveridge, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of New York and employed by HSB-CT of Connecticut

have inspected the repair, modification, or replacement described in this report on 31 May, 2007 and state that to the best of my knowledge and belief, this repair, modification, or replacement activity has been completed in accordance with Section XI of the ASME Code and the *National Board Inspection Code "NR"* rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage, or a loss of any kind arising from or connected with this inspection.

Date 9 July, 2007 Signed Angus Beveridge Commissions NB12223 I NY5258  
(inspector) (National Board and jurisdiction no.)

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 09/22/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-SV-45A  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55256622-05  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 1

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SV-45A							
SAFETY VALVE		Cat ID 0430036392 UTC 1290302	NA	S/N RV-1-8010B	N/A	REPLACED	NO

7. Description of Work REPLACED SAFETY VALVE

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55256622-05**

9. Remarks: VT-2 and VT-3 Performed

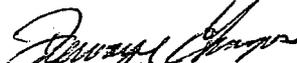
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

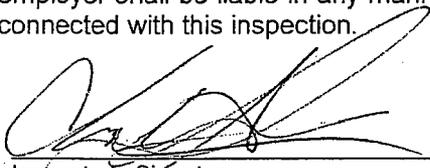
Signed  Dewayne Timmons Maintenance Welding Supervisor Date Dec 6, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC 6, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 XCN 12/11 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.



Inspector's Signature

Commissions NB 11393 "I" MI 300537  
National Board, State, Province, and Endorsements

Date Dec 7 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/10/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-RH-142

JOB ORDER No. 55256974-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-RH-142							
3/4" THREADED ROD	N/A	Cat ID 0430212100 UTC 1306109	NA	ASME SA453 GR 660	N/A	REPLACED	NO
3/4" NUT	N/A	Cat ID 0430212295 UTC 1315536	N/A	ASME SA194 GR 8F	N/A	REPLACED	NO

7. Description of Work REPLACED BOLTING

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

W7

FORM NIS-2 (Back)  
**Job Order/File 55256974-01**

9. Remarks:

Applicable Manufacturer's Data Reports to be attached

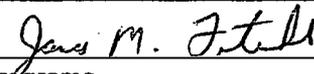
**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

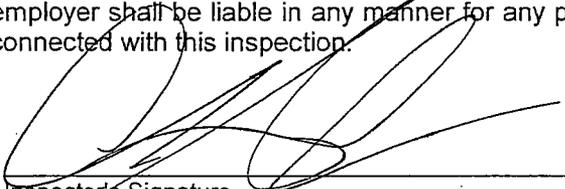
Signed  Date DEC 4, 20 07  
Dewayne Timmons Maintenance Welding Supervisor  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER /  Date DEC. 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 from 12/10/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 10, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB11393 "I" MI 300537  
Inspector's Signature National Board, State, Province, and Endorsements  
Date Dec 10 20 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/02/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-QRV-251

JOB ORDER No. 55257056-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: CHEMICAL VOLUME AND CONTROL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-QRV-251							
TRIM ASSY	MASONEILAN	Cat ID 0430036160 UTC 1298008	NA	ASME SA316 STELLITE	N/A	REPLACED	NO

7. Description of Work REPLACED TRIM ASSY

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55257056-01**

9. Remarks:

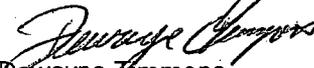
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

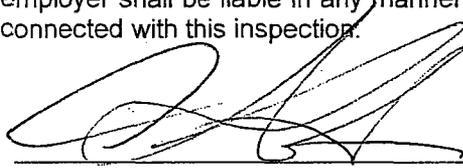
Signed  Date Dec 4, 20 07  
Dewayne Timmons Maintenance Welding Supervisor  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITZGERALD / James M. Fitzl Date DEC. 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 X/MI/2/6/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to Dec. 8, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.



Inspector's Signature

Commissions NB11393 "E" MI 310537  
National Board, State, Province, and Endorsements

Date Dec 6 20 07

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/23/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-AFW-S4028-L

JOB ORDER No. 55268896-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: FEEDWATER SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-AFW-S4028-L							
SNUBBER	GRINNELL	Cat ID 0430024683 UTC 1296054	NA	S/N 33873	N/A	REPLACED	NO

7. Description of Work REPLACED SNUBBER WITH NEW SNUBBER

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)

**Job Order/File 55268896-01**

9. Remarks: VT-3 performed

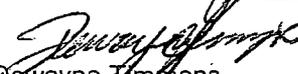
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

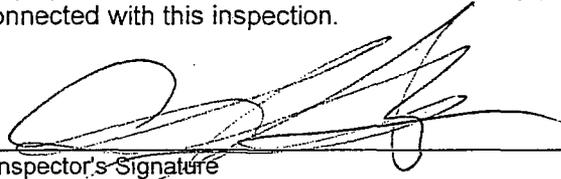
Signed  Dewayne Timmons Maintenance Welding Supervisor Date Dec 4, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC. 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 X 74571 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 5, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

  
Inspector's Signature

Commissions NB11393 "I" MI 30537  
National Board, State, Province, and Endorsements

Date Dec. 5 20 07

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/23/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-AFW-S4033  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55269943-01  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: FEEDWATER SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-AFW-S4033							
SNUBBER	GRINNELL	Cat ID 0430024700 UTC 1296064	NA	S/N 30684	N/A	REPLACED	NO

7. Description of Work REPLACED SNUBBER WITH NEW SNUBBER

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)

**Job Order/File 55269943-01**

9. Remarks: VT-3 performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

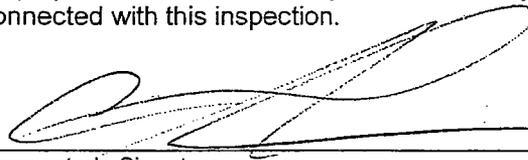
Signed  Dewayne Timmons Maintenance Welding Supervisor Date Dec 4, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date Dec 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 Verde have inspected the components described in this Owner's Report during the period September 11, 2007 to December 5, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB11393 "I" ME 300537  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 5 20 07

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/23/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-GBD-S569-L  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55270890-01  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: BLOWDOWN SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-GBD-S569-L							
SNUBBER	GRINNELL	Cat ID 0430024691 UTC 1296058	NA	S/N 34636	N/A	REPLACED	NO

7. Description of Work REPLACED SNUBBER WITH NEW SNUBBER

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55270890-01**

9. Remarks: VT-3 performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Date DEC 4, 2007  
Dewayne Simmons Maintenance Welding Supervisor  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC 4, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 5, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions A1311993 "A" MI 300587  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec. 5 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/07/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-WCR-908  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55273764-01  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: NON ESSENTIAL SERVICE WATER SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-WCR-908							
5/8" NUT		Cat ID 0497001419 UTC 1316845	NA	ASTM A194	N/A	REPLACED	NO

7. Description of Work REPLACED BONNET NUT

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55273764-01**

9. Remarks:

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

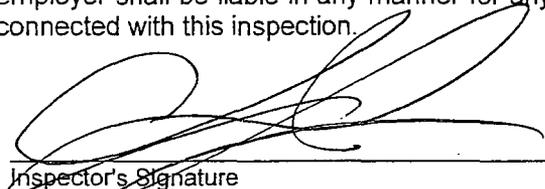
Signed Dewayne Timmons Maintenance Welding Supervisor Date Dec 4, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUC / James M. Fitchuc Date DEC. 4, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/10/07 have inspected the components described in this Owner's Report during the period SEPT 11, 2007 to Dec 10, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.



Commissions NB 11393 "D" MI 300537  
National Board, State, Province, and Endorsements

Inspector's Signature  
Date Dec 10 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/23/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-VCR-10  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55274247-12  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: ICE CONDENSER SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N-522  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-VCR-10							
VALVE	ITEV	Cat ID 0430039707 UTC 1290317	NA	ASTM A194	N/A	REPLACED	NO
1/2" STUD	N/A	Cat ID 0430040599 UTC 1311115	NA	ASME SA453 GR660 CL B	N/A	REPLACED	NO
1/2" NUT	N/A	Cat ID 0430212070 UTC 1306095	NA	ASTM A194 GR 8F	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE AND BOLTING

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  see remarks Pressure N/A psi. Test Temp. N/A F

INIT Recs

FORM NIS-2 (Back)  
**Job Order/File 55274247-12**

9. Remarks: Appendix J LLRT per Code Case N-522

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date Dec 6, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC. 6, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 I,          have inspected the components described in this Owner's Report during the period 10-23-2007 to 1-14-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

*Rewel K. Schencik* Commissions NB1112ANI / MI 300959  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-14 2008

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/01/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-CS-300E  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55278336-01  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: CHEMICAL VOLUME AND CONTROL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-CS-300E							
STEM DISC ASSY	MASONEILAN	Cat ID 0430035589 UTC 1297892	NA	ASME SA479	N/A	REPLACED	NO

7. Description of Work REPLACED STEM/DISC ASSY

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

mm2

FORM NIS-2 (Back)

**Job Order/File 55278336-01**

9. Remarks:

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

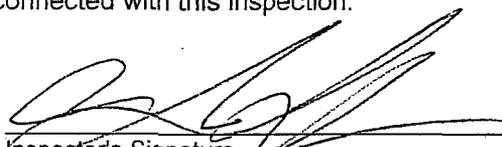
Signed  Date Dec 4, 2007  
Dewayne Timmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHEL/James M. Fitchell Date DEC. 4, 2007  
 Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 <sup>of 12/6/07</sup> have inspected the components described in this Owner's Report during the period September 11, 2007 to December 6, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NS113937 MI300537  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date Dec 6 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/09/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-PP-50E  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55280754-02  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: CHEMICAL VOLUME AND CONTROL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ASME DRAFT CODE, 1968, P/V Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-PP-50E							
MECH SEAL DISCHARGE	FLOWSERVE	Cat ID 0430015098 UTC 1316946	NA	N/A	N/A	REPLACED	NO
MECH SEAL INBOARD	FLOWSERVE	Cat ID 0430015099 UTC 1316936	NA	N/A	N/A	REPLACED	NO

7. Description of Work REPLACED INBOARD AND DISCHARGE MECHANICAL SEALS WITH GLAND PLATES.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55280754-02**

9. Remarks: VT-2 Performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Welding Supervisor Date Dec 6, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC. 6, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 X 12/7/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

  
Inspector's Signature

Commissions NB11393 "I" ME300537  
National Board, State, Province, and Endorsements

Date Dec 7 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 11/16/06  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-TK-33  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55281976-01  
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: EMERGENCY CORE COOLING SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-TK-33							
1/4" PLATE	N/A	Cat ID 0430153223 UTC 1305024	NA	ASTM A240 TP 304	N/A	REPLACED	NO
10" SCH 10 PIPE	N/A	Cat ID 0497000589 UTC 1310647	NA	ASME SA312 TP304	N/A	REPLACED	NO

Description of Work MODIFIED VENT PIPING

Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT ZKS

FORM NIS-2 (Back)

**Job Order/File 55281976-01**

9. Remarks: PT performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Welding Supervisor Date Dec 4, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC. 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 I, I, have inspected the components described in this Owner's Report during the period 1-8-2008 to 1-14-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

Reuel K. Schenck Commissions NB11412ANI / MI 300959  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-14 20 08

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 11/2/07

Sheet 1 of 5

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component Resistance Temperature Detectors

Design Change 2-MOD-40054  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by PCI Energy Services  
 Name  
One Energy Drive Lake Bluff, IL 60044  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: Reactor Coolant System

5. (a) Applicable Const. Code ASME Sec. III, Subsection NB, Class 1 Components, 2001 Ed. w/ 2003 addenda.

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements. 1989/2001 no addenda

(c) Applicable Section XI Code Cases N-416-1

## 6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Loop 1 - 3" Cross-under Pipe Cap	Westinghouse	9648-1-6 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No
Loop 2 - 3" Cross-under Pipe Cap	Westinghouse	9648-1-7 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No
Loop 3 - 3" Cross-under Pipe Cap	Westinghouse	9648-1-1 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No
Loop 4 - 3" Cross-under Pipe Cap	Westinghouse	9648-1-3 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No
Loop 1 - 3/4" RVLIS Boss	Westinghouse	9648-6-6 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No
Loop 2 - 1" Mansell Boss	Westinghouse	9648-10/2 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No
Loop 3 - 3/4" RVLIS Boss	Westinghouse	9648-6-2 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No

INIT *JMH*

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

### 6. Identification of Components Repaired or Replaced and Replacement Components (cont.)

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Loop 1 – Cold Leg Thermowell	Weed	N20432 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 2 – Cold Leg Thermowell	Weed	N20434 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 3 – Cold Leg Thermowell	Weed	N20436 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 4 – Cold Leg 2" Pipe Cap	Westinghouse	9648-2/1 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No
Loop 4 – Alternate Cold Leg Boss	Westinghouse	9648-4-1 SA479 316ss	NA	Heat No.: C7512	2006	Replacement	No
Loop 4 – Cold Leg Thermowell	Weed	N20422 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 1 – Hot Leg Thermowell at 0°	Weed	N20428 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 1 – Hot Leg Thermowell at 120°	Weed	N20407 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 1 – Hot Leg Thermowell at 240°	Weed	N20415 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 2 – Hot Leg Thermowell at 0°	Weed	N20408 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No

INIT JMH

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

### 6. Identification of Components Repaired or Replaced and Replacement Components (cont.)

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Loop 2 – Hot Leg Thermowells at 120°	Weed	N20426 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 2 – Hot Leg Thermowells at 240°	Weed	N20429 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 3 – Hot Leg Thermowell at 0°	Weed	N20416 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 3 – Hot Leg Thermowell at 120°	Weed	N20410 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 3 – Hot Leg Thermowell at 240°	Weed	N20414 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 4 – Hot Leg Thermowell at 0°	Weed	N20423 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 4 – Hot Leg Thermowell at 120°	Weed	N20413 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No
Loop 4 – Hot Leg Thermowell at 240°	Weed	N20421 SA182 F316ss PO No.: 190-0000046339	NA	Heat No.: 239375	2006	Replacement	No

INIT JMH

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**

As Required by the Provisions of the ASME Code Section XI

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7. Description of Work Implementation of 2-MOD-40054, RTD Bypass Elimination

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure

Other  PT and VT of all machined and welded surfaces, and RT of the open groove welds on the 3" pipe cap to existing Cross-under piping. VT-2 per Code Case N-416-1

Pressure \_\_\_\_\_ psi. Test Temp. NOT F

INIT SMH

FORM NIS-2 (Back)  
**Design Change 2-MOD-40054**

9. Remarks: All of the components listed in the table of section 6 of this form were inspected and approved for use by D.C. Cook personnel prior to being issued to PCI Energy Services.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed John M. Harlach Jr. PCI QA/QC Date November 2, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date JAN. 31, 20 08  
Engineering Programs

**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 ONECES INSURANCE Co. of BOSTON, MA have inspected the components described in this Owner's Report during the period September 11, 2007 to December 20, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

Inspector's Signature [Signature] Commissions NB11393 "I" MI 300537  
National Board, State, Province, and Endorsements

Date Dec. 20 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/08/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-MRV-231  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55287968-01  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A

4. Identification of System: MAIN STEAM SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-MRV-231							
PLUG/STEM ASSY	FISHER CONTROLS	Cat ID 0430688864 UTC 1307601	NA	N/A	N/A	REPLACED	NO

7. Description of Work REPLACED PLUG/STEM ASSY

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

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FORM NIS-2 (Back)  
**Job Order/File 55287968-01**

9. Remarks:

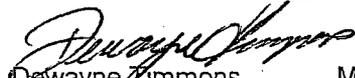
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Dewayne Timmons Maintenance Welding Supervisor Date Dec 4, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date Dec 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 have inspected the components described in this Owner's Report during the period September 14, 2007 to Dec 6, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB11393 "A-I" MI 300537  
Inspector's Signature National Board, State, Province, and Endorsements  
Date Dec 5 20 07

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/13/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-SV-104E  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55290892-01  
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name Authorization No. N/A  
One Cook Place, Bridgman, MI 49106 Expiration Date N/A  
 Address
4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. **Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SV-104E							
VALVE	CROSBY	Cat ID 043036394 UTC 1315182	NA	S/N N69972-00-0021	N/A	REPLACED	NO
BOLT	N/A	Cat ID 0497003587 UTC 1316982	NA	ASME SA307 GRB	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE AND BOLTS
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT RIS



# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/04/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-MRV-221  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55291493-01  
 Address Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name Authorization No. N/A  
One Cook Place, Bridgman, MI 49106 Expiration Date N/A  
 Address

4. Identification of System: MAIN STEAM SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-MRV-221							
PLUG/STEM ASSY	FISHER	Cat ID 0430688864 UTC 1307601	NA	N/A	N/A	REPLACED	NO

7. Description of Work REPLACED PLUG/STEM ASSEMBLY

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55291493-01**

9. Remarks:

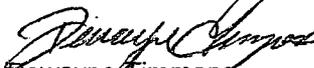
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

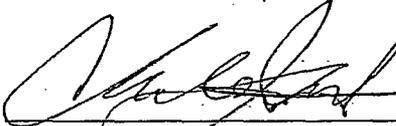
Signed  Maintenance Welding Supervisor Date DEC 6, 20 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitch Date DEC. 7, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/1/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

  
Inspector's Signature

Commissions NB 11393 "I" MD 300537  
National Board, State, Province, and Endorsements

Date Dec 7 20 07

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/03/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-RH-164E

JOB ORDER No. 55297424-10  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N416-1  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-RH-164E							
VALVE	FLOW SERVE	Cat ID 0497001386 UTC 1316537	NA	ASME SA351 TP CF8M	N/A	REPLACED	NO
PIPE	N/A	Cat ID 0497001317 UTC 1317040	NA	ASTM A312 TP 316	N/A	REPLACED	NO

7. Description of Work ADDED VALVE AND PIPE TO SYSTEM

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT RLW

FORM NIS-2 (Back)

**Job Order/File 55297424-10**

9. Remarks: PT, RT and VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONECertificate of Authorization No. N/A Expiration Date N/ASigned Dewayne Timmons Maintenance Welding Supervisor  
Owner or Owner's Designee, TitleDate DEC 4, 2007Reviewed by JAMES M. FITCHER / James M. Fitcher  
Engineering ProgramsDate DEC 4, 2007**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 I, I, have inspected the components described in this Owner's Report during the period 10-3-2007 to 1-17-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

Renek Schencik Commissions WB1142ANI/M1300959  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-17 2008

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/03/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-IMO-314/2-RH-128E  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55297424-12 & 37  
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. **Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-IMO-314 2-RH-128E							
VALVES	N/A	EXISTING	NA	N/A	N/A	N/A	NO

7. Description of Work SWAPPED EXISTING BONNETS AND INTERNALS.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)

**Job Order/File 55297424-12 & 37**

9. Remarks: VT-2 performed on both valves

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

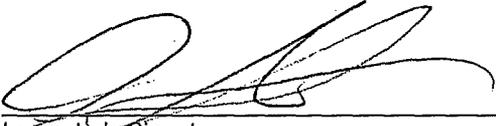
Signed  Maintenance Welding Supervisor Date DEC 4, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC. 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/6/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 6, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB 11393 "I" MI 300537  
Inspector's Signature National Board, State, Province, and Endorsements  
Date Dec 6 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
Name  
P.O. Box 60 Fort Wayne, IN 46801  
Address

Date 10/03/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
Name  
One Cook Place, Bridgman, MI 49106  
Address

Unit 2 Component 2-RH-164W

JOB ORDER No. 55297630-08  
Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
Name  
One Cook Place, Bridgman, MI 49106  
Address

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N416-1  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-RH-164W							
VALVE	FLOW SERVE	CAT ID 0497001386 UTC 1316538	N/A	ASME SA-351 CF8M	N/A	REPLACED	NO

7. Description of Work ADDED VALVE TO SYSTEM

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55297630-08**

9. Remarks: PT, RT and VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

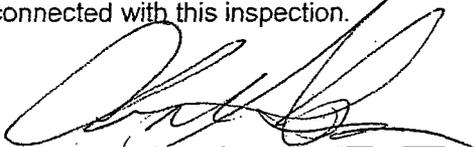
Signed  Maintenance Welding Supervisor. Date Dec 4, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Field Date DEC 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 X12/11/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 6, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB11393 "A" "I" "N" MI 300557  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 6 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
Name  
P.O. Box 60 Fort Wayne, IN 46801  
Address

Date 10/03/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
Name  
One Cook Place, Bridgman, MI 49106  
Address

Unit 2 Component 2-IMO-324/2-RH-128W

JOB ORDER No. 55297630-10 & 22  
Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
Name  
One Cook Place, Bridgman, MI 49106  
Address

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-IMO-324 2-RH-128W							
VALVES	N/A	EXISTING	NA	N/A	N/A	N/A	NO

7. Description of Work SWAPPED EXISTING BONNETS AND INTERNALS.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)

**Job Order/File 55297630-10 & 22**

9. Remarks: VT-2 performed on both valves

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Welding Supervisor Date DEC. 6, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitch Date DEC. 6, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 <sup>on 12/6/07</sup> have inspected the components described in this Owner's Report during the period September 11, 2007 to December 6, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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]* Commissions NB11393 "I" ME300537  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 6 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 09/27/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-PP-50W

JOB ORDER No. 55297739-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: EMERGENCY CORE COOLING SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ASME DRAFT CODE 1968, P/V Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-PP-50W							
MECHANICAL SEAL	FLOWERVE	CAT ID 0430015098 UTC 1294277	NA	N/A	N/A	REPLACED	NO
MECHANICAL SEAL	FLOWERVE	CAT ID 0430015099 UTC 1294278	NA	N/A	N/A	REPLACED	NO

7. Description of Work REPLACED MECHANICAL SEALS WITH GLAND PLATES.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55297739-01**

9. Remarks: VT-2 performed. REF. DCC SPEC NO. WEST 677125

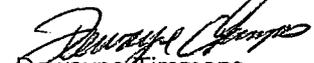
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Date Dec. 6, 2007  
Dewayne Timmons Maintenance Welding Supervisor  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER/James M. Fitcher Date DEC. 6, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/1/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.



Commissions NB11393 "E" ME 30537  
National Board, State, Province, and Endorsements

Date Dec 7 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/21/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-MS-135-1

JOB ORDER No. 55304927-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: MAIN STEAM SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N-416-1  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-MS-135-1							
2" VALVE	VOGT	Cat ID 0430044248 UTC 0001299514	NA	CARBON STEEL	N/A	REPLACED	NO
2" PIPE	N/A	Cat ID 0430014981 UTC 001294241	N/A	ASME SA106 GR B	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE AND PIPING

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55304927-01**

9. Remarks: MT and VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

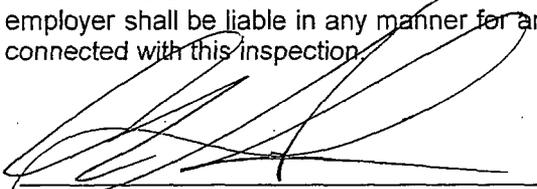
Signed  Maintenance Welding Supervisor Date Dec 4, 20 07  
Owner or Owner's Designee, Title.

Reviewed by JAMES M. FITCH/John N. Fitch Date DEC. 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/11/07 have inspected the components described in this Owner's Report during the period September 11, 2007 December 11, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB11793 "I" MI 300537  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 11 20 07

MT

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/14/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-SV-2B-1

JOB ORDER No. 55304990-02  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: MAIN STEAM SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SV-2B-1							
6" VALVE	DRESSER	Cat ID 0430037161 UTC 1290307	NA	S/N BN 6317	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT TRCS



# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/16/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-SV-3-1

JOB ORDER No. 55305005-02  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: MAIN STEAM SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-SV-3-1							
6" VALVE	DRESSER	Cat ID 0430037162 UTC 1290308	NA	N/A	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT RCW

FORM NIS-2 (Back)  
**Job Order/File 55305005-02**

9. Remarks: VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Date Dec. 7, 2007  
Dewayne Timmons Maintenance Welding Supervisor  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUE / James M. Fitch Date JAN. 14, 2008  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 I, Renel K. Schenck have inspected the components described in this Owner's Report during the period 10-16-2007 to 1-14-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

Renel K. Schenck  Commissions NB 1142AN / MI 1300959  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-14 2008

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/25/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-GCS-R-511  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55305962-01  
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name Authorization No. N/A  
One Cook Place, Bridgman, MI 49106 Expiration Date N/A  
 Address
4. Identification of System: CHEMICAL VOLUME AND CONTROL SYSTEM ISI CLASS 1
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-GCS-R-511							
WELD FILLER MATERIAL	N/A	Cat ID 0430044315 UTC 1310102	NA	EXISTING SUPPORT	N/A	REPAIRED	NO

7. Description of Work ADDED WELD MATERIAL TO PIPE SUPPORT PER DWG.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55305962-01**

9. Remarks: VT-3 and MT performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed: Dewayne Timmons Maintenance Welding Supervisor Date Dec 6, 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUK / James M. Field Date Dec 6, 2007  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

Inspector's Signature [Signature] Commissions NB11393 "A" "N" "I" MI 300537  
National Board, State, Province, and Endorsements

Date Dec 7 2007

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/17/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-OME-6-1  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55306271-01  
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name Authorization No. N/A  
One Cook Place, Bridgman, MI 49106 Expiration Date N/A  
 Address
4. Identification of System: SAFETY INJECTION SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ASME SEC III, CL. C, 1968 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-OME-6-1	DELTA SOUTHERN	41060-69-1	2462	N/A	1969	REPAIRED	N

7. Description of Work BLENDED OUT NOZZLE INDICATION
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)  
**Job Order/File 55306271-01**

9. Remarks: PT performed on blended area. NO WELDING PERFORMED.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Dewayne Timmons Maintenance Welding Supervisor Date Dec. 6, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC. 7 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 12/7/07 have inspected the components described in this Owner's Report during the period September 11, 2007 to December 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.



Commissions MB11393 "A I V N" MI 300537  
National Board, State, Province, and Endorsements

Date Dec 7 2007

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
Name  
P.O. Box 60 Fort Wayne, IN 46801  
Address

Date 10/27/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
Name  
One Cook Place, Bridgman, MI 49106  
Address

Unit 2 Component 2-VCR-104

JOB ORDER No. 55306459-04  
Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
Name  
One Cook Place, Bridgman, MI 49106  
Address

Type Code Symbol Stamp N/A  
Authorization No. N/A  
Expiration Date N/A

4. Identification of System: CONTAINMENT SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-VCR-104							
1/2" BOLT	N/A	Cat ID 0430211255 UTC 1305876	NA	ASME SA193 GR B7	N/A	REPLACED	NO
1/2" NUT	N/A	Cat ID 0430046621 UTC 1310397	NA	ASME SA194 GR 2H	N/A	REPLACED	NO
1/2" NUT	N/A	Cat ID 0430046621 UTC 1299844	NA	ASME SA194 GR 2H	N/A	REPLACED	NO

7. Description of Work REPLACED BOLTING

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
**Job Order/File 55306459-04**

9. Remarks:

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Dewayne Timmons Maintenance Welding Supervisor Date DEC 4, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date DEC. 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 Michigan have inspected the components described in this Owner's Report during the period September 14, 2007 to December 5, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.



Commissions NB11393 "I" MI 300587  
National Board, State, Province, and Endorsements

Date Dec 5 20 07

# FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 10/25/07

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Unit 2 Component 2-AFW-S4023

JOB ORDER No. 55306769-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
 Name  
One Cook Place, Bridgman, MI 49106  
 Address

Type Code Symbol Stamp N/A  
 Authorization No. N/A  
 Expiration Date N/A

4. Identification of System: FEEDWATER SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

**6. Identification of Components Repaired or Replaced and Replacement Components**

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-AFW-S4023							
SNUBBER	GRINNELL	Cat ID 0430024700 UTC 1307047	NA	S/N 36393	N/A	REPLACED	NO

7. Description of Work REPLACED SNUBBER.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi: Test Temp. N/A F

INIT RCS

FORM NIS-2 (Back)  
Job Order/File 55306769-01

9. Remarks: VT-3 performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Welding Supervisor Date JAN. 3, 20 07  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date JAN. 4, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 10-25-2007 to 1-14-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

*Reuel K. Schenck* Commissions NB 1142ANI / MI 300959  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-14 20 08

**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 10/31/07  
 Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2  
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-MS-135-2  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55307253-07  
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
 Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
 Address Expiration Date N/A
4. Identification of System: MAIN STEAM SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-MS-135-2							
5/8" BOLT	N/A	CAT ID 0430044245 UTC 1299513	NA	CARBON STEEL	N/A	REPLACED	NO

7. Description of Work REPLACED BONNET BOLTING FROM ONE VALVE TO ANOTHER.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

INIT \_\_\_\_\_

FORM NIS-2 (Back)

**Job Order/File 55307253-07**

9. Remarks: CAT ID 0430044245 bonnet bolting was removed from this valve and installed in the existing installed valve.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR & REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NONE

Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Welding Supervisor Date Dec. 6, 20 2007  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUC / James M. Fitchell Date DEC. 7, 20 07  
Engineering Programs

**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 OneCIS Insurance Co. One Beacon Street of Boston, MA. 02108-3100 X 21147/07 have inspected the components described in this Owner's Report during the period SEPTEMBER 11, 2007 to DECEMBER 7, 2007, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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.

 Commissions NB11393 "I" MI 300537  
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 7 20 07