



**INDIANA  
MICHIGAN  
POWER**

*A unit of American Electric Power*

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

August 4, 2006

AEP:NRC:6055-10  
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**

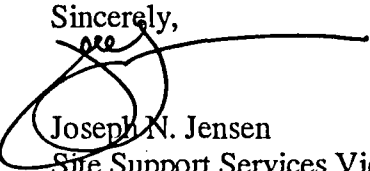
The attachment to this letter provides a copy of the inservice inspection summary report for activities at Donald C. Cook Nuclear Plant Unit 2, National Board (State of Michigan) Number 1 (Mich. M-324232-M), located in Bridgman, Michigan. The plant is owned by Indiana Michigan Power Company, P.O. Box 60, Fort Wayne, IN, 46801.

The Unit 2 commercial service date is July 1, 1978, and the Authorized Code Inspectors during the report period were Mr. A. S. Jimenez and Mr. J. A. Longenberger, both of whom were employed by ABS Group, Inc. of Houston, Texas.

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 commitments in this letter. Should you have any questions, please contact Ms. Susan D. Simpson, Regulatory Affairs Manager, at (269) 466-2428.

Sincerely,

  
Joseph N. Jensen  
Site Support Services Vice President

Attachment: Inservice Inspection Summary Report for the Donald C. Cook Nuclear Plant Unit 2, 2006, Unit 2 Cycle 16 Refueling Outage.

RV/rdw

A047

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:6055-10

*Inservice Inspection Summary Report*  
for the  
Donald C. Cook Nuclear Plant Unit 2  
2006, Unit 2 Cycle 16 Refueling Outage

INSERVICE INSPECTION SUMMARY REPORT

FOR THE

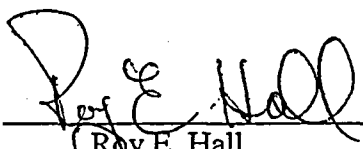
DONALD C. COOK NUCLEAR PLANT

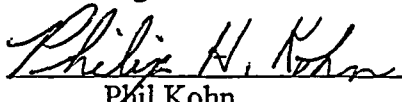
UNIT 2

2006, Unit 2 Cycle 16 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 November 10, 2004 to May 5, 2006

Prepared by:  Date: 7/24/06  
Roy E. Hall  
ISI Program Owner

Reviewed by:  Date: 7/26/06  
Phil Kohn  
Engineering Programs Supervisor

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

Report of Inservice Inspections  
From November 10, 2004 to May 5, 2006

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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 (ISI) activities performed at the Donald C. Cook Nuclear Plant (CNP) Unit 2, for the period of November 10, 2004, to May 5, 2006. This report addresses examinations and activities associated with the Unit 2 Cycle 16, 2006, Refueling Outage. This is the second and final refueling outage of the Second 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 System
CS	Emergency Core Cooling System
CTS	Containment Spray System
ESW	Essential Service Water System
FW	Feedwater System
MDAFP	Motor Driven Auxiliary Feedwater Pump
MS	Main Steam System
NOP	Normal Operating Pressure
NOT	Normal Operating Temperature
RCP	Reactor Coolant Pump
RCS	Reactor Coolant System
RHR	Residual Heat Removal System
RWST	Refueling Water Storage Tank
SI	Safety Injection System
TDAFP	Turbine Driven Auxiliary Feedwater Pump

# 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: 1 (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
Reactor Pressure Vessel	Chicago Bridge and Iron	T-1	M-324232-M	1
Steam Generator, 2-OME-3-1	Westinghouse/MK-Ferguson	1341- Upper Assembly 3367G - Lower Assembly	M-324-234-M	68-73 - Upper 37 - Lower
East RHR Heat Exchanger 2-HE-17E	Westinghouse/MK-Ferguson	1344 - Upper Assembly 3368G - Lower Assembly	M-324-237-M	68-76 - Upper 38 - Lower
Pressurizer 2-OME-4	Westinghouse	1231	M-324233-M	6894
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
Containment	Graver	N/A	N/A	N/A
Piping Systems - RCS, RHR, SI, CTS, CCW, CS, ESW, FW, MS	Power Systems Inc. and TUBECO	N/A	N/A	N/A
Pipe Supports	Grinnell	-	-	-



8. Examination Dates: November 10, 2004 to May 5, 2006

9. Inspection Period Identification: Second

10. Inspection Interval Identification: Third

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

12. Date/Revision of Inspection Plan: 8/03 Rev. 1

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 JULY 24 2006 Signed Indiana Michigan Power Co. By P. E. Hall  
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 New York and employed by ABS GROUP INC of HOUSTON TEXAS have inspected the components described in this Owner's Report during the period November 10 2004 to July 24 2006, 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.

James P. [Signature]  
Inspector's Signature

Commissions NY NY 5310  
National Board, State, Province, and Endorsements

Date July 24 2006

INDIANA MICHIGAN POWER COMPANY  
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 November 10, 2004, to May 5, 2006. This report addresses examinations and activities associated with the Third 10-Year Interval, Second Inspection Period, Second Refueling Outage (Unit 2 Cycle 16). 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 CNP, Unit 2. This is the currently approved ISI examination plan that identifies specific activities to be performed on a refueling outage basis.

Twenty-six (26) ASME Class 1 and twenty-eight (28) ASME Class 2 components were examined. A combination of Ultrasonic, Magnetic Particle, Liquid Penetrant and Visual examination methods were used. Two supports failed the VT-3 examination. Support 2-ACS-R-913 had a loose nut on an embedment plate that was evaluated as an original construction defect and not inservice induced and documented via Work Request 06016013. Support 2-AFW-C-4034 also had a loose nut on a pipe clamp. This condition was evaluated by Design Engineering (Condition Report 06102054) and Engineering Programs and found acceptable. The cause was attributed to original construction. The supports upstream, downstream and in the immediate vicinity of these two supports were examined and found acceptable. No sample expansions were required.

To proactively address issues with Primary Water Stress Corrosion Cracking (PWSCC) of Alloy 82/182 weld locations in the Unit 2 pressurizer safe ends, all the safe ends on the Unit 2 pressurizer received Pre-emptive Weld Overlays (PWOL) to mitigate the potential for PWSCC. Each location received a fully qualified ASME Section XI Appendix VIII, Supplement 11 ultrasonic examination and a surface examination over 100% of the required weld volume. No evidence of PWSCC or other rejectable indications were observed.

During the Unit 2, Cycle 16 refueling outage, Indiana Michigan Power Company (I&M), the licensee for CNP Unit 2, performed a bare-metal visual inspection of the CNP Unit 2 reactor pressure vessel (RPV) bottom-mounted instrumentation (BMI) nozzle penetrations, and bare-metal and volumetric examinations of the RPV upper head 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 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. The as-found condition of the Unit 2 RPV bottom head was identical to the as-left condition following the bottom cleaning and re-inspection performed during the Unit 2, Cycle 15 refueling outage. No indications of through-wall leakage were found during the Unit 2, Cycle 16 RPV BMI inspection. The inspection results were digitally recorded, and copies of the video files were saved to computer drives as video clips.

A 100% bare-metal visual examination of the Unit 2 RPV upper head showed no evidence of pressure boundary leakage. However, evidence of above-head leakage from an external source was discovered near Penetration Number 42. To ensure that the source of residue was not the result of pressure-boundary leakage, the following were performed.

- A chemical sample analysis, which determined the residue to be 1.3 to 1.6 years old, was performed.
- Extensive visual examinations of Penetration 42 (prior to and after residue sampling and cleaning) were performed. The examination indicated that the origin of the residue was not from the annular gap between the vessel head and the penetration tube. Evidence of previous above-head leakage, including pooling and dripping, was observed on the insulation panel seam in the vicinity above Penetration 42.
- A volumetric examination, including ultrasonic/eddy current of the inside diameter of the penetration tube, was performed. No rejectable indications were found and no evidence of leakage in the shrink-fit region was observed in the J-groove weld inspection data.
- Supplemental eddy current examinations of the J-groove weld and penetration tube outside diameter surfaces were conducted. No rejectable indications were observed in the J-groove weld inspection data.
- A manual surface examination using liquid penetrant was performed on the Penetration 42 nozzle immediately above the reactor vessel closure head. No indications were observed.

A 100 % volumetric examination of the 78 control rod drive mechanism penetrations and the single vent penetration in the Unit 2 RPV head was completed in accordance with Section IV.C(5)(b)(iii) utilizing an approved relaxation of the requirements obtained in

accordance with Section IV.F. No unacceptable indications were found. No repairs of any head penetrations were needed or performed.

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-504-2  
N-509  
N-533  
N-616  
N-638-1  
N-627  
N-491-1

Nondestructive examinations were performed by WesDyne, AREVA/Framatome and I&M personnel in accordance with procedures approved for use at CNP.

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, U2-C16**

1. Owner: Indiana Michigan Power Co., PO Box 60, Ft. Wayne, IN 46801  
 2. Plant: Donald C. Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106  
 3. Plant Unit: TWO

4. Owner Certificate of Authorization (If Req.): N/A  
 5. Commercial Service Date: 07/01/1978  
 6. National Board Number for Unit: 1 (Mich. M-324232-M)

Summary No.	Component ID	Component Description	Item	Procedure	Method/Report/Results
<b>Class 1</b>	<b>Category B-B</b>				
006500	2-PRZ-15	UPPER HEAD TO UPPER SHELL	B2.11	54-ISI-130	UT UT-06-027 Accept
				54-ISI-130	UT UT-06-028 Accept
				54-ISI-130	UT UT-06-031 Accept
				54-ISI-130	UT UT-06-032 Accept
006900	2-PRZ-19	LONGITUDINAL SEAM	B2.12	54-ISI-130	UT UT-06-029 Accept
				54-ISI-130	UT UT-06-026 Accept
				54-ISI-130	UT UT-06-025 Accept
				54-ISI-130	UT UT-06-030 Accept
				54-ISI-130	UT UT-06-024 Accept
				54-ISI-130	UT UT-06-023 Accept
008600	STM-21-01	LOWER HEAD TO TUBE SHEET	B2.40	54-ISI-130	UT UT-06-013 Info
				54-ISI-130	UT UT-06-016 Accept
				54-ISI-130	UT UT-06-015 Accept
				54-ISI-130	UT UT-06-014 Accept
				54-ISI-130	UT UT-06-017 Accept
<b>Class 1</b>	<b>Category B-G-1</b>				
004700	2-RPV-FLANGE THREADS	1 THROUGH 54	B6.40	54-ISI-108	UT UT-06-004 Accept

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 5. Commercial Service Date: 07/01/1978  
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Summary No.	Component ID	Component Description	Item	Procedure	Method/Report/Results
<b>Class 1</b>	<b>Category B-G-2</b>				
030400	2-RC-26-09-FB	FLANGE BOLTING	B7.50	12-QHP-5050-NDE-006	VT VT-06-021 Accept
049000	2-RC-32-13-FB	FLANGE BOLTING	B7.50	12-QHP-5050-NDE-006	VT VT-06-038 Accept
053100	2-RC-33-18-FB	FLANGE BOLTING	B7.50	12-QHP-5050-NDE-006	VT VT-06-041 Accept
071600	2-RC-515-21-FB	FLANGE BOLTING	B7.50	12-QHP-5050-NDE-006	VT VT-06-039 Accept
078600	2-RC-517-23-FB	FLANGE BOLTING	B7.50	12-QHP-5050-NDE-006	VT VT-06-037 Accept
153075	PUMP BOLTS (12 - 2" BOLTS)	LOWER SEAL HOUSING BOLTS	B7.50	12-QHP-5050-NDE-006	VT VT-06-036 Accept
220200	SV-45A	BODY TO BONNET	B7.70	12-QHP-5050-NDE-006	VT VT-06-018 Accept
220700	SI-170-L2	BODY TO BONNET BOLTING	B7.70	12-QHP-5050-NDE-006	VT VT-06-029 Accept
221550	IMO-325	FLANGE BOLTING	B7.70	12-QHP-5050-NDE-006	VT VT-06-033 Accept
222400	IMO-128	FLANGE BOLTING	B7.70	12-QHP-5050-NDE-006	VT VT-06-028 Accept
<b>Class 1</b>	<b>Category B-J</b>				
088100	2-SI-56-03	ELBOW TO PIPE	B9.11	54-ISI-836	UT UT-06-011 Accept

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2. Plant: Donald C. Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106

3. Plant Unit: TWO

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 07/01/1978

6. National Board Number for Unit: 1 (Mich. M-324232-M)

Summary No.	Component ID	Component Description	Item	Procedure	Method/Report/Results
089750	2-SI-56-19	TEE TO PIPE	B9.11	54-ISI-836	UT UT-06-012 Accept
				54-ISI-836	UT UT-06-019 Accept
				54-ISI-836	UT UT-06-018 Accept
				54-ISI-836	UT UT-06-020 Accept
092700	2-SI-57-17	PIPE TO ELBOW	B9.11	54-ISI-836	UT UT-06-022 Accept
				54-ISI-836	UT UT-06-021 Accept
151900	2-WD-822-03	ELBOW TO PIPE	B9.40	54-ISI-836	UT UT-06-038 Accept
				54-ISI-836	UT UT-06-037 Accept
<b>Class 1</b>	<b>Category B-K-1</b>				
094800	2-SI-58-03-PL 1 AND 2	PIPE LUG	B10.10	12-QHP-5050-NDE-001	PT PT-06-003 Accept
<b>Class 1</b>	<b>Category B-N-1</b>				
006010	RPV UPPER INTERNALS & SURFACES	AREAS ACCESSIBLE DURING NORMAL REFUELING	B13.10	54-ISI-364	VT VE-06-001 Accept
<b>Class 1</b>	<b>Category F-A</b>				
600700	2-GRC-R-524	PIPE SUPPORT COMPONENT	F1.10 WA	12-QHP-5050-NDE-006	VT VT-06-035 Accept

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3. Plant Unit: TWO

4. Owner Certificate of Authorization (If Req.): N/A

5. Commercial Service Date: 07/01/1978

6. National Board Number for Unit: 1 (Mich. M-324232-M)

Summary No.	Component ID	Component Description	Item	Procedure	Method/Report/Results
601200	2-ARC-R-522B	PIPE SUPPORT COMPONENT	F1.10B	12-QHP-5050-NDE-006	VT VT-06-020 Accept
604400	2-GRC-R-565	PIPE SUPPORT COMPONENT	F1.10A	12-QHP-5050-NDE-006	VT VT-06-042 Accept
607330	2-ASI-R-5301	PIPE SUPPORT COMPONENT	F1.10A	12-QHP-5050-NDE-006	VT VT-06-032 Accept
607800	2-GSI-R-698	PIPE SUPPORT COMPONENT	F1.10A	12-QHP-5050-NDE-006	VT VT-06-031 Accept
609220	2-GCS-R-543	PIPE SUPPORT COMPONENT	F1.10 WB	12-QHP-5050-NDE-006	VT VT-06-027 Accept
<b>Class 2</b>	<b>Category C-B</b>				
300070	STM-21-FWN	NOZZLE TO SHELL	C2.21	54-ISI-130	UT UT-06-033 Accept
				54-ISI-130	UT UT-06-034 Accept
				54-ISI-130	UT UT-06-035 Accept
300090	STM-21-FWN-IRS		C2.22	54-ISI-132	UT UT-06-036 Accept
300700	E-RHRHEX-IN	NOZZLE TO SHELL	C2.21	54-ISI-136	UT UT-06-005 Info
				54-ISI-240	PT PT-06-002 Accept
				54-ISI-136	UT UT-06-006 Accept
				54-ISI-136	UT UT-06-007 Info



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Summary No.	Component ID	Component Description	Item	Procedure	Method/Report/Results
300871	2-ILA-110-V1	INSTRUMENT NOZZLE TO SHELL	C2.21	54-ISI-836	UT UT-06-009 Accept
300873	2-ILA-111-V1	INSTRUMENT NOZZLE TO SHELL	C2.21	54-ISI-836	UT UT-06-010 Accept
300874	2-ILA-111-V2	INSTRUMENT NOZZLE TO SHELL	C2.21	54-ISI-836	UT UT-06-008 Accept
<b>Class 2</b>	<b>Category C-C</b>				
310915	2-SI-9-05S-PS 1 THRU 4 4	PIPE LUG	C3.20	12-QHP-5050-NDE-001	PT PT-06-001 Accept
319170	2-FW-74-01F	PENETRATION SUPPORT WELD	C3.20	12-QHP-5050-NDE-001	PT PT-06-004 Accept
323060	MSIV-MRV-230-S1		C3.40	12-QHP-5050-NDE-002	MT MT-06-001 Accept
323070	MSIV-MRV-230-S2		C3.40	12-QHP-5050-NDE-002	MT MT-06-002 Accept
<b>Class 2</b>	<b>Category C-G</b>				
322950	MSIV-MRV-210-1	CYLINDER WELD	C6.20	12-QHP-5050-NDE-002	MT MT-06-003 Accept
<b>Class 2</b>	<b>Category F-A</b>				
700010	CS-1	BRACKET	F1.40	12-QHP-5050-NDE-006	VT VT-06-014 Accept
700020	CS-2	BRACKET	F1.40	12-QHP-5050-NDE-006	VT VT-06-015 Accept

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 6. National Board Number for Unit: 1 (Mich. M-324232-M)

Summary No.	Component ID	Component Description	Item	Procedure	Method/Report/Results
700040	CS-4	BRACKET	F1.40	12-QHP-5050-NDE-006	VT VT-06-017 Accept
713097	2-ARH-R-5011	F-A F1.20ACOMPONENT	F1.20A	12-QHP-5050-NDE-006	VT VT-06-030 Accept
713285	2-GRH-V-9	PIPE SUPPORT COMPONENT	F1.20 WC	12-QHP-5050-NDE-006	VT VT-06-034 Accept
713870	2-GCTS-L-43	PIPE SUPPORT COMPONENT	F1.20B	12-QHP-5050-NDE-006	VT VT-06-022 Accept
713940	2-GCTS-R-46	PIPE SUPPORT COMPONENT	F1.20B	12-QHP-5050-NDE-006	VT VT-06-024 Accept
714120	2-GCTS-V-54	PIPE SUPPORT COMPONENT	F1.20C	12-QHP-5050-NDE-006	VT VT-06-040 Accept
716065	2-GCTS-R-17	PIPE SUPPORT COMPONENT	F1.20A	12-QHP-5050-NDE-006	VT VT-06-005 Accept
716240	2-GCTS-R-8	PIPE SUPPORT COMPONENT	F1.20 WB	12-QHP-5050-NDE-006	VT VT-06-006 Accept
751600	2-GFW-V-881	PIPE RESTRAINT COMPONENT	F1.20C	12-QHP-5050-NDE-006	VT VT-06-019 Accept
754600	2-AFW-C-4034	PIPE SUPPORT COMPONENT	F1.20C	12-QHP-5050-NDE-006	VT VT-06-043 Reject
Evaluation Disposition Acceptable:		Acceptable per DES evaluation contained in CRE 06102054.			

**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3, Period 2, U2-C16**

1. Owner: Indiana Michigan Power Co., PO Box 60, Ft. Wayne, IN 46801
2. Plant: Donald C. Cook Nuclear Plant, One Cook Place, Bridgman, MI 49106
3. Plant Unit: TWO

4. Owner Certificate of Authorization (If Req.): N/A
5. Commercial Service Date: 07/01/1978
6. National Board Number for Unit: 1 (Mich. M-324232-M)

Summary No.	Component ID	Component Description	Item	Procedure	Method/Report/Results
763240	2-GSI-L-30	PIPE SUPPORT COMPONENT	F1.20A	12-QHP-5050-NDE-006	VT VT-06-023 Accept
763710	2-GSI-R-822	PIPE SUPPORT COMPONENT	F1.20 WA	12-QHP-5050-NDE-006	VT VT-06-026 Accept
763740	2-GSI-L-826	PIPE SUPPORT COMPONENT	F1.20 WA	12-QHP-5050-NDE-006	VT VT-06-025 Accept
764210	2-ACS-R-115	PIPE SUPPORT COMPONENT	F1.20 WB	12-QHP-5050-NDE-006	VT VT-06-009 Accept
764380	2-GCS-L-123	PIPE SUPPORT COMPONENT	F1.20 WA	12-QHP-5050-NDE-006	VT VT-06-007 Accept
764940	2-ACS-R-913	PIPE SUPPORT COMPONENT	F1.20B	12-QHP-5050-NDE-006	VT VT-06-008 Reject

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 November 10, 2004, to May 5, 2006. 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 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.

Job Order	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	6	Accumulators and associated piping	4/17/2006
R0227736	8	Bit tank and associated piping	3/25/2006
R0227736	9	South seal water injection filter	3/24/2006
R0227736	10	North seal water injection filter	4/17/2006
R0227736	11	East Charging Pump and associated piping	3/24/2006
R0227736	12	West Charging Pump and associated piping	4/19/2006
R0227736	13	East CTS Pump and Associated Piping	4/11/2006
R0227736	14	West CTS Pump and Associated Piping	5/5/2006
R0227736	15	Spray Additive tank and associated piping	3/24/2006
R0227736	16	Seal water leak off piping at RCPs	5/6/2006
R0227736	17	Seal water filter, heat exchanger, and associated piping	3/25/2006
R0227736	18	TDAFP Motor Operated Valves to Check Valves	4/30/2006
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
R0227736	25	West MDAFP and associated piping	8/26/2005
R0266778	1	RCS NOP/NOT	8/24/2005
R0233818	2	ESW Pumps and associated piping	5/6/2006
R0243844	1	Condensate Storage Tank and Associated Piping	5/6/2006
R0243844	2	RWST and associated piping	4/17/2006
R0243844	3	South Spent Fuel Pool Pumps and Associated Piping	3/25/2006
R0243844	4	North Spent Fuel Pool Pumps and Associated Piping	3/24/2006
R0243844	5	South Boric Acid Storage Tank and Associated Piping	4/17/2006
R0243844	6	Volume Control Tank and Associated Piping	3/24/2006

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 specification 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	Job Order No.	Results
2-GRC-S537	04-04-06	R0266439	Acceptable
2-GRC-S538	04-18-06	R0266439	Acceptable
2-GRC-S555	04-18-06	R0266439	Acceptable
2-GRC-S562	04-04-06	R0266439	Acceptable
2-GRC-S564	04-18-06	R0266439	Acceptable
2-GRC-S566	04-04-06	R0266439	Acceptable
2-GRC-S573	04-18-06	R0266439	Acceptable
2-GRC-S575	04-04-06	R0266439	Acceptable
2-GRC-S582	04-18-06	R0266439	Acceptable
2-GRC-S592	04-04-06	R0266439	Acceptable
2-GRC-S594	04-04-06	R0266439	Acceptable
2-GRC-S596	04-04-06	R0266439	Acceptable
2-GRC-S598	04-04-06	R0266439	Acceptable
2-GRC-S599	04-18-06	R0266439	Acceptable
2-GRC-S609	04-04-06	R0266439	Acceptable
2-GRC-S611	04-04-06	R0266439	Acceptable
2-GRC-S623	04-04-06	R0266439	Acceptable
2-GRC-S624	04-18-06	R0266439	Acceptable
2-GRC-S626	04-04-06	R0266439	Acceptable
2-GRC-S629	04-04-06	R0266439	Acceptable
2-GRC-S630	04-04-06	R0266439	Acceptable
2-GRC-S632	04-04-06	R0266439	Acceptable
2-GRC-S631	04-04-06	R0266439	Acceptable
2-GRC-S587	04-04-06	R0266439	Acceptable
2-AFW-S4023	04-13-06	R0266100	Acceptable
2-AFW-S4024(L)	04-13-06	R0266100	Acceptable
2-AFW-S4024(U)	04-13-06	R0266100	Acceptable
2-AFW-S4021	04-13-06	R0266100	Acceptable
2-AFW-S4028(L)	04-13-06	R0266100	Acceptable
2-AFW-S4028(U)	04-13-06	R0266100	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	Job Order No.	Results
2-AFW-S4027	04-13-06	R0266100	Acceptable
2-AFW-S4025	04-13-06	R0266100	Acceptable
2-AFW-S4031	04-13-06	R0266100	Acceptable
2-AFW-S4032(L)	04-13-06	R0266100	Acceptable
2-AFW-S4032(U)	04-13-06	R0266100	Acceptable
2-AFW-S4029	04-13-06	R0266100	Acceptable
2-AFW-S4036(L)	04-13-06	R0266100	Acceptable
2-AFW-S4036(U)	04-13-06	R0266100	Acceptable
2-AFW-S4035	04-13-06	R0266100	Acceptable
2-AFW-S4033	04-13-06	R0266100	Acceptable
2-GBD-S563(L)	04-12-06	R0266147	Acceptable
2-GBD-S563(U)	04-12-06	R0266147	Acceptable
2-GBD-S569(L)	04-12-06	R0266147	Acceptable
2-GBD-S569(U)	04-12-06	R0266147	Acceptable
2-GBD-S568	04-12-06	R0266147	Acceptable
2-GCCW-S840	02-28-06	R0263765	Acceptable
2-GCCW-S843	02-28-06	R0263765	Acceptable
2-OME-3-1-HSD-3U	04-03-06	R0265677	Acceptable
2-OME-3-1-HSD-3L	04-03-06	R0265677	Acceptable
2-OME-3-1-HSD-1U	04-03-06	R0265677	Acceptable
2-OME-3-1-HSD-1L	04-03-06	R0265677	Acceptable
2-OME-3-2-HSD-3U	04-03-06	R0265677	Acceptable
2-OME-3-2-HSD-3L	04-03-06	R0265677	Acceptable
2-OME-3-2-HSD-1U	04-03-06	R0265677	Acceptable
2-OME-3-2-HSD-1L	04-03-06	R0265677	Acceptable
2-OME-3-3-HSD-3U	04-03-06	R0265677	Acceptable
2-OME-3-3-HSD-3L	04-03-06	R0265677	Acceptable
2-OME-3-3-HSD-1U	04-03-06	R0265677	Acceptable
2-OME-3-3-HSD-1L	04-03-06	R0265677	Acceptable
2-OME-3-4-HSD-3U	04-03-06	R0265677	Acceptable
2-OME-3-4-HSD-3L	04-03-06	R0265677	Acceptable
2-OME-3-4-HSD-1U	04-03-06	R0265677	Acceptable
2-OME-3-4-HSD-1L	04-03-06	R0265677	Acceptable

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

Snubber Functional Tests

Snubber No.	Test Date	Job Order No.	Results	Remarks
2-GRC-S538	04-18-06	R0098999	Accept.	Small Bore Grinnell
2-GRC-S555	04-19-06	R0099679	Accept.	Small Bore Grinnell
2-GRC-S573	04-20-06	R0036212	Accept.	Small Bore Grinnell
2-GRC-S611	04-19-06	R0036210	Accept.	Small Bore Grinnell
2-GBD-S568	04-20-06	R0037674	Accept.	Small Bore Grinnell
2-GCCW-S843	04-17-06	R0037685	Accept.	Small Bore Grinnell
2-AFW-S4032-U	04-20-06	R0036689	Accept.	Small Bore Grinnell
2-OME-3-4-HSD-1L	04-08-06	R0078801	Accept.	Large Bore
2-OME-3-4-HSD-1U	04-07-06	R0100166	Accept.	Large Bore
2-OME-3-4-HSD-3L	04-09-06	R0037382	Accept.	Large Bore
2-OME-3-4-HSD-3U	04-08-06	R0058565	Accept.	Large Bore

The minimum 14% 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 November 10, 2004, to May 4, 2006, 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 examinations performed, results, and corrective actions, if any were performed. A General Visual Examination was performed on all accessible surfaces of the Containment liner along with examinations performed in conjunction with coating repairs, and other repair/replacement activities.

An acceptance criteria providing the acceptable minimum thickness of the containment liner was established for the examination of the concrete-backed liner. The examination results were compared to the acceptance criteria. All results were within the established acceptance criteria. No areas required to be classified as an Augmented Examination area in accordance with IWE-1240.

Containment concrete examinations are currently in progress as of this report date. No degradation has been found that impacts the structural integrity of the containment concrete. As of this report date, there have been no conditions noted in accessible areas that could indicate the presence or result in degradation to inaccessible areas.



Program Owner: Jane M. Fitch

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

Date: 7-20-06

Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (If rejectable)	Disposition/Corr. Actions
3/25/2006	2	R0246391-03	Zones 2-612-10A, 2-612-11A, 2-612-12A (partial)	General Visual	None	Accept
3/25/2006	2	R0246391-02	Moisture Barrier 2-598-MB (RCDT Area)	VT-3	None	Accept
3/25/2006	2	R0246391-02	Zones 2-598-26, 2-598-27 (partial)	General Visual	None	Accept
3/26/2006	2	R0266500-49	Penetration Bolting 2-CPN-80-BOLTING	VT-1	None	Accept
3/26/2006	2	R0266500-48	Penetration Bolting 2-CPN-57-BOLTING	VT-1	None	Accept
3/28/2006	2	05132069-01	Prior to coating repair: Liner and penetrations between fence at RCDT to Col. 21 and from floor up approx. 3' and penetrations up to the 2nd weld channel (areas of damaged paint). Areas between Cols. 21 and 23 and from the floor up to the 2nd weld channel including penetrations (areas of damaged paint).	VT-3	None	Accept
3/30/2006	2	05132069-07	Prior to coating repair: Zone 2-598-27 (partial) from gate at Col. 27 to concrete, floor elevation up approx. 9'-0".	VT-3	Four small areas, approx. 1/2" diameter with chipped top coat. No base metal wastage.	Accept
3/30/2006	2	R0246391-04	Moisture Barrier 2-598-MB (Annulus area)	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"

Program Owner: Jana M. Fitch

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

Date: 7-20-06

Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (If rejectable)	Disposition /Corr. Actions
3/31/2006	2	05132069-05	Prior to coating repair: Zone 2-612-25C EL. 650' down to EL. 642', 10'-0" east of divider barrier seal. Zone 2-612-25B EL. 642' down to EL. 627', 12'-0" east of divider barrier seal. Zone 2-612-25A EL. 627' down to EL. 612', 12'-0" divider barrier seal to Column 26. Zone 2-612-26A EL. 612' up to approx. EL. 622' from Column 26 to 27. Zone 2-612-27A EL. 612' up to approx. EL. 622' from column 27 to divider barrier seal. Zone 2-612-1 EL. 612' up to EL. 637' from divider barrier seal to Column 1. Zone 2-612-28A. Zone 2-612-28B EL. 627' to EL. 637'.	VT-3	Peeling paint, delamination of top coat, discoloration. No liner plate degradation noted.	Accept

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

Program Owner: James M. Fitch

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

Date: 7-20-06

Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (If rejectable)	Disposition/Corr. Actions
3/31/2006	2	R0246391-04	Zones 2-598-1, 2-598-2, 2-598-3, 2-598-4, 2-598-5, 2-598-6, 2-598-7, 2-598-8, 2-598-9, 2-598-10, 2-598-11, 2-598-12, 2-598-13, 2-598-14, 2-598-15, 2-598-16, 2-598-17, 2-598-18, 2-598-19, 2-598-20, 2-598-21, 2-598-22, 2-598-23, 2-598-24, 2-598-25, 2-598-27 (partial), 2-612-2, 2-612-3, 2-612-4, 2-612-5, 2-612-6, 2-612-7, 2-612-8, 2-612-9, 2-612-10B, 2-612-11B, 2-612-12A, 2-612-12B, 2-612-13A, 2-612-13B, 2-612-14A, 2-612-14B, 2-612-15A, 2-612-15B, 2-612-16, 2-612-17, 2-612-18, 2-612-19, 2-612-20, 2-612-21, 2-612-22, 2-612-23, 2-612-24, 2-612-25A, 2-612-25B, 2-612-25C, 2-612-26A, 2-612-26B, 2-612-26C, 2-612-27A, 2-612-27B, 2-612-27C, 2-612-28A, 2-612-28B, 2-612-1, 2-650-1A, 2-650-1B, 2-650-1C, 2-650-2A, 2-650-2B, 2-650-2C, 2-650-3A, 2-650-3B, 2-650-3C, 2-650-4, 2-715-1A, 2-715-1B, 2-715-1C, 2-715-2A, 2-715-2B, 2-715-3, 2-745-001, 2-757-001, Inspection Ports: 2-PORT-01, 2-PORT-02, 2-PORT-03	General Visual	Discoloration noted. No evidence of degradation that may affect either containment structural integrity or leak tightness.	Accept
4/5/2006	2	05132069-03	Prior to paint removal: Instrument Room EL. 627' to ceiling and Azimuth 262 to divider barrier seal.	VT-3	Slight flaking and discoloration. No liner degradation noted.	Accept
4/5/2006	2	R0257113-02	Prior to coatings removal: Containment Penetration 2-CPN-4 at first weld towards containment from the #1 cooler to the radius transition at the pipe end. Area of inspection 360 deg. Around penetration and 1/2" from the edge of the toe of the welds described above.	VT-3	Slight discoloration.	Accept

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

Program Owner: James M. Fitch

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

Date: 7-20-06

Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (if detectable)	Disposition/Corr. Actions
4/7/2006	2	05132069-02	Prior to surface prep: Zones 2-612-20, 2-612-21	VT-3	Peeling paint, delamination, light discoloration, surface rust. No evidence of liner degradation.	Accept
4/8/2006	2	R0265946-06	Liner surfaces behind divider barrier seal when seal segment is removed: Zone 2-612--2 Seal sample #1, between Columns 2 - 3, area approx. 3'-0" wide, 5'-0" high, starting approx. 8" up from seal. Existing gap of <1/4" wide with internal obstructions prevent view of attachment weld. Zone 2-612-24 Seal sample #2, area approx. 2'-0" wide, 2'-0" high, starting at attachment weld. Existing gap of approx. 1/4" wide at one location with internal obstructions prevent view of surfaces	General Visual	No evidence of degradation that may affect either containment structural integrity or leak tightness noted on viewable surfaces.	Accept
4/13/2006	2	05341030-03	Prior to paint removal: Zone 2-650-1A Liner plate surfaces surrounding the following penetrations, and penetration surfaces: 2-CPN-56, 57, 65, 80, 83, 86.	VT-3	Light discoloration. No liner plate or penetration surface degradation or wastage noted.	Accept
4/15/2006	2	R0257111-02	Prior to coatings removal: Containment Penetration 2-CPN-2 at first weld towards containment from the #1 cooler to the radius transition at the pipe end. Area of inspection 360 deg. Around penetration and 1/2" from the edge of the toe of the weld and transition described above.	VT-3	Discoloration and flaking. No penetration degradation noted.	Accept

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

Program Owner: James M. Fitch

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

Date: 7-20-06

Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (if rejectable)	Disposition/Corr. Actions
4/15/2006	2	R0257114-02	Prior to coatings removal: Containment Penetration 2-CPN-5 at first weld towards containment from the #1 cooler to the radius transition at the pipe end. Area of inspection 360 deg. Around penetration and 1/2" from the edge of the toe of the welds described above.	VT-3	Slight discoloration. No penetration degradation noted.	Accept
4/22/2006	2	R0246708-02	Outer and inner equalizing valves.	VT-3	None	Accept
4/24/2006	2	R0267461-02	2-AIRLOCK-C650 electrical penetration bolting for inner and outer doors, both sides. 2-UPLODE-BOLTING (16), 2-UPLIDE-BOLTING (16)	VT-1	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

**2004 Steam Generator In-Service Inspections**

During October of 2004, eddy current inspections were conducted on the Unit 2 steam generators. Based upon the favorable results of this inspection and in accordance with the provisions of Technical Specification 4.4.5.3a, the Unit 2 steam generators continue to be on an inspection interval of up to 40 calendar months. As such, the Unit 2 steam generators will next be inspected in the fall of 2007.

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

## ***U2C16 Repair Replacement Report***

<i><b>Job Order</b></i>	<i><b>Description</b></i>	<i><b>Component</b></i>	<i><b>Code Class</b></i>
R0099679-01	2-GRC-S555, REPLACE SNUBBER	2-GRC-S555	1
04305061-04	2-PP-50E, REPLACE PUMP W/ SS PUMP	2-PP-50E	2
04318017-01	2-MRV-232, REPAIR LEAK (INTERNALS, B/B BOLTING)	2-MRV-232	2
R0238854-13	2-VCR-20, REPLACE BONNET/BOLTING	2-VCR-20	2
R0266622-05	2-SV-45A, REPLACE SAFETY VALVE	2-SV-45A	1
05340018-01	2-CS-536, REPLACE INTERNALS	2-CS-536	2
05340007-01	2-CS-534, REPLACE INTERNALS	2-CS-534	2
05340017-01	2-CS-535, REPLACE INTERNALS	2-CS-535	2
04322047-01	2-OME-4, REPLACE MANWAY BOLTS	2-OME-4	1
R0036212-01	2-GRC-S573; REPLACE SNUBBER	2-GRC-S573	1
R0098999-01	2-GRC-S538, REPLACE SNUBBER	2-GRC-S538	1
05340020-01	2-SI-210, REPLACE BOLTING	2-SI-210	2
R0246231-01	2-SV-104E, REPLACE BOLTING	2-SV-104E	2
R0036689-01	2-AFW-S4032-U, REPLACE SNUBBER	2-AFW-S4032-U	2
02346033-12	2-MRV-223, REPLACE BOLTING	2-MRV-223	2
05336016-01	2-MRV-242, REPLACE INTERNALS	2-MRV-242	2
06013029-13	2-PP-50W, CUT/REPLACE PIPE WELD	2-PP-50W	2
06040073-01	2-PP-50W, REPLACED GLAND PLATE/BOLTING	2-PP-50W	2
R0240871-01	2-CCR-457, REPLACE INTERNALS	2-CCR-457	2
04305061-28	2-PP-50E, INSTALL CCP SUCTION PIPING	2-PP-50E	2
04305061-27	2-PP-50E, INSTALL CCP DISCHARGE PIPING	2-PP-50E	2
R0226722-01	2-SV-104W, REPLACE VALVE AND BOLTING	2-SV-104W	2
R0037674-01	2-GBD-S568, REPLACE SNUBBER	2-GBD-S568	2
05121006-01	2-NRV-153, REPLACE INTERNALS	2-NRV-153	1
05237040-17, 18, 22, 23, 27, 28 32, 33, 37, 38, 43	2-OME-4, WELDED PREEMPTIVE WELD OVERLAYS ON DISSIMILAR METAL WELDS ON SAFETY, RELIEF, SPRAY, AND SURGE NOZZLES	2-OME-4	1



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 04/19/06

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-GRC-S555

Name  
One Cook Place, Bridgman, MI 49106

JOB ORDER No. R0099679-01

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: REACTOR COOLANT SYSTEM ISI CLASS 1

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

(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 Stamp ed (Yes or No)
2-GRC-S555							
SNUBBER	GRINNELL	M&E 30-024683 ASP 30610	N/A	S/N 33021	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E 30-025055 ASP 30463	N/A	N/A	N/A	Replacement	NO
"A" SEAL KIT	GRINNELL	M&E 30-040590 ASP 28096	N/A	N/A	N/A	Replacement	NO
PISTON BUSHING	GRINNELL	M&E 30-024790 ASP 16978	N/A	N/A	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER WITH REBUILT

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
Job Order/File R0099679-01

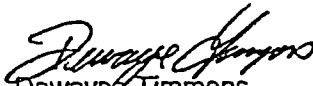
9. Remarks: VT-3  
Applicable Manufacturer's Data Reports to be attached

**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 N/A

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

Signed  Dewayne Timmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

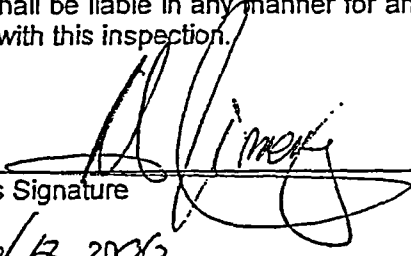
Date MAY 9, 20 06

**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 ABS GROUP INC. of HOUSTON, TEXAS

have inspected the components described in this Owner's Report during the period 9/12/05 to 6/12/06, 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 66977 MI 300975

National Board, State, Province, and Endorsements

Date 6/12 2006

# 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 04/14/06

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-50E

JOB ORDER No. 04305061-04

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: EMERGENCY CORE COOLING SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ASME SEC III CL2 1986 Ed, N/A Add. Code Case  
 (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)
<u>2-PP-50E</u>							
PUMP CASING	N/A	M&E 30-014849 ASP 31062	NA	ASME SA182 TP304	N/A	REPLACED	YES

7. Description of Work REPLACED PUMP

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ INSERVICE VT-2 Pressure \_\_\_\_\_ psi. Test Temp. \_\_\_\_\_ F

INIT 11/1  
5/24/06

FORM NIS-2 (Back)  
Job Order/File 04305061-04

9. Remarks: Inservice VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

Serial # 05RLCA0321501001 DWG. 017571 Model 2.5" RLIJ

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  
 Owner or Owner's Designee, Title

Date May 24, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS

have inspected the components described in this Owner's Report during the period 9/20/05 to 5/30/06, 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 NB6977 MI 300975  
 National Board, State, Province, and Endorsements

Date 5/30 2006

Pg. 1 of 2

[illegible]

REPRINT 6/93

3.5

## FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. 05RLCA0321501001

8. Design conditions 2800 psi 300 °F or valve pressure class NA (1)  
(pressure) (temperature)9. Cold working pressure NA psi at 100°F10. Hydrostatic test 5260/400 psi. Disk differential test pressure NA psi11. Remarks: Nameplate attached by drive pins.Job Number: RLCA03215Production Order: RLSA08607

## CERTIFICATION OF DESIGN

Design Specification certified by Albert John Wettlaufer P.E. State PA Reg. no. 13335-EDesign Report certified by D. G. Bowman P.E. State CA Reg. no. NA

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1130 Expires June 10, 2008Date 3/21/06

Flowserve Pump Division, Nuclear Products Operation

Name IN Certificate Holder

Signed

(authorized representative)

## 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 California and employed by HSB-CTof Hartford, CT have inspected the pump, or valve, described in this Data Report on 3/21/2006

, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component 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 3/21/2006

Signed

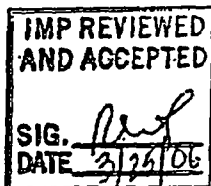
(Authorized Inspector)

Commissions

CA 1969

(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.



# 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 04/22/06

Sheet 1 of 2

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

Unit 2 Component 2-MRV-232

JOB ORDER No. 04318017-01  
 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 N/A Add. Code Case  
 (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)
<u>2-MRV-232</u>							
STEM	N/A	M&E 30-688864 ASP 28532	N/A	ASTM A276 TP 316	N/A	REPLACED	NO
PLUG	N/A	M&E 30-688864 ASP 28532	N/A	ASTM A582 TP 416	N/A	REPLACED	NO
CAGE	N/A	M&E 30-688865 ASP 17265	N/A	ASTM A747 CB7CU-1	N/A	REPLACED	NO
1/2" STUD MATERIAL		M&E 30-688868 ASP 28601	N/A	ASTM A193 GR B7	N/A	REPLACED	NO
1/2" NUT		M&E 30-688869 ASP 28601	N/A	ASTM A194 GR 2H	N/A	REPLACED	NO

7. Description of Work REPLACED STEM, PLUG AND BONNET BOLTING

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



FORM NIS-2 (Back)  
Job Order/File 04318017-01

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  
 Owner or Owner's Designee, Title

Date MAY 8, 20 04

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 9/21/05 to 5/23/06, 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 6977, MI 360975  
 National Board, State, Province, and Endorsements

Date 5/23/2006

# 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  
P.O. Box 60 Fort Wayne, IN 46801  
 Name  
 Address

Date 04/17/06

Sheet 1 of 2

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

Unit 2 Component 2-VCR-20

JOB ORDER No. R0238854-13  
 Repair Org. P.O. No., Job No., etc

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

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

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

5. (a) Applicable Const. Code ANSI-B31.1 - 1983 Add. 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)
<u>2-VCR-20</u>							
VALVE BONNET	N/A	M&E 30-039707 ASP 31147	NA	ASTM A445 66T	N/A	REPLACED	NO
1/2" NUT	N/A	M&E 30-212070 ASP 22002	NA	ASME SA194, GR 8F	N/A	REPLACED	NO
1/2" STUD MATERIAL	N/A	M&E 30-040599 ASP 27052	NA	ASME SA 453 GR 660	N/A	REPLACED	NO

7. Description of Work REPLACED BONNET ASSY AND BOLTING.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ APPENDIX J TEST PER CC N-522 Pressure \_\_\_\_\_ psi. Test Temp. \_\_\_\_\_ F

FORM NIS-2 (Back)  
Job Order/File R0238854-13

9. Remarks: APPENDIX J TEST PER CC 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  
 Owner or Owner's Designee, Title

Date May 16, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 4/11/06 to 5/23/06, 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 NB 6977, MI 368975

National Board, State, Province, and Endorsements

Date 5/23/2006

As Required by the Provisions of the ASME Code Section XI

Sheet 1 of 2

Unit 2 Component 2-SV-45A

JOB ORDER No. R0266622-05  
Repair Org. P.O. No., Job No., etc

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

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

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. Code Case  
(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)
<u>2-SV-45A</u>							
SAFETY VALVE	CROSBY	M&E 30-036392 ASP 30673	NA	S/N RV-1-8010A	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ VT-2 at NOP/NOT, VT-3 Pressure            psi. Test Temp.            F

INIT. 

FORM NIS-2 (Back)  
Job Order/File R026622-05

9. Remarks: NOP/NOT VT-2 performed. VT-3 on internals

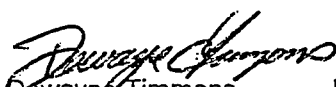
Applicable Manufacturer's Data Reports to be attached

**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  
 Owner or Owner's Designee, Title

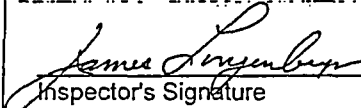
Date May 15, 20 06

**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 ABS GROUP INC. of HOUSTON, TEXAS

have inspected the components described in this Owner's Report during the period 9/22/05 to 7/31/06, 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 10195 NI  
 National Board, State, Province, and Endorsements

Date 7/31 2006

# 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 04/09/06

Sheet 1 of 2

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

Unit 2 Component 2-CS-536

JOB ORDER No. 05340018-01  
 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 AND VOLUME CONTROL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed. N/A Add. Code Case  
 (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)
<u>2-CS-536</u>							
VALVE							
CENTER SECTION ASSEMBLY	N/A	M&E 30-033374 ASP 31038	NA	ASME SA479 TP 316	N/A	REPLACED	NO

7. Description of Work REPLACED CENTER SECTION ASSEMBLY

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

FORM NIS-2 (Back)  
Job Order/File 05340018-01

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  
 Owner or Owner's Designee, Title

Date April 25, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 1/25/06 to 5/3/06, 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

NB6977 MI 302975  
 National Board, State, Province, and Endorsements

Date

5/3/06

# 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 04/09/06

Sheet 1 of 2

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

Unit 2 Component 2-CS-534

JOB ORDER No. 05340007-01  
 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 AND VOLUME CONTROL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. Code Case  
 (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)
<u>2-CS-534</u>							
VALVE							
CENTER SECTION ASSEMBLY	N/A	M&E 30-013933 ASP 31038	NA	ASME SA579 TP 316	N/A	REPLACED	NO

7. Description of Work REPLACED CENTER SECTION ASSEMBLY

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

45

INT

11/2/06



FORM NIS-2 (Back)  
Job Order/File 05340007-01

## 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  
 Owner or Owner's Designee, Title

Date April 25, 2006

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 ABS GROUP INC. of HOUSTON, TEXAS

have inspected the components described in this Owner's Report during the period 1/24/06 to 5/3/06, 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 NB 6977 MI 304975

National Board, State, Province, and Endorsements

Date 5/3 2006

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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/09/06

Sheet 1 of 2

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

Unit 2 Component 2-CS-535

JOB ORDER No. 05340017-01  
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 AND VOLUME CONTROL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. Code Case  
(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)
<u>2-CS-535</u>							
VALVE							
CENTER SECTION ASSEMBLY	N/A	M&E 30-013933 ASP 31038	NA	ASME SA479 TP 316	N/A	REPLACED	NO

7. Description of Work REPLACED CENTER SECTION ASSEMBLY

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

FORM NIS-2 (Back)  
Job Order/File 05340017-01

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  
 Owner or Owner's Designee, Title

Date April 25, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 1/5/06 to 5/3/06, 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

NEB 977 MI 30097  
 National Board, State, Province, and Endorsements

Date

5/3 2006

# 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 11/25/04  
 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-4  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 04322047-01  
 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 ASME SEC. III 1986 Add. Code Case  
 (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)
<u>2-OME-4</u>							
PRESSURIZER							
MANWAY BOLT	N/A	M&E 30-009772 ASP 16387	NA	ASME SA193 GR B7	N/A	REPLACED	NO

7. Description of Work REPLACED 2 BOLTS AT MANWAY
8. Test Conducted: Hydrostatic ☒ Pneumatic ☒ Nominal Operating Pressure ☐  
 Other ☐ VT-2, VT-1, PT Pressure NOP psi. Test Temp. NOT F

INTT 11/2  
5/2/06

FORM NIS-2 (Back)  
Job Order/File 04322047-01

9. Remarks: VT-1, VT-2 and 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 Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date April 6, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 11/22/04 to 5/2/06, 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 NB6977 MI 301975  
 National Board, State, Province, and Endorsements

Date 5/2 20 06

# 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 04/20/06  
 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-GRC-S573  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0036212-01  
 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 Ed, N/A Add. N/A Code Case  
 (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-GRC-S573							
SNUBBER	GRINNELL	M&E 30-024683 ASP 30495	N/A	S/N 33294	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E 30-025060 ASP 26432	N/A	N/A	N/A	Replacement	NO
"A" SEAL KIT	GRINNELL	M&E 30-040591 ASP 28476	N/A	N/A	N/A	Replacement	NO
ROD BUSHING	GRINNELL	M&E 30-024791 ASP 30165	N/A	GRINNELL	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER WITH REBUILT
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
Job Order/File R0036212-01


9. Remarks: VT-3  
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 N/A

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

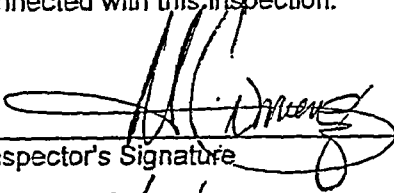
Signed   
Dewayne Timmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date May 9, 20 06

**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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 8/4/05 to 5/11/06, 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 5/11/2006

Commissions NB6377 MI307975  
 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 04/19/06

Name

P.O. Box 60 Fort Wayne, IN 46801

Address

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT

Unit 2 Component 2-GRC-S538

Name

One Cook Place, Bridgman, MI 49106

Address

JOB ORDER No. R0098999-01

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

Address

Authorization No. N/A

Expiration Date N/A

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

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

(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-GRC-S538							
SNUBBER	GRINNELL	M&E 30-024681 ASP 29340	N/A	S/N 33020	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E 30-025055 ASP 17001	N/A	N/A	N/A	Replacement	NO
"A" SEAL KIT	GRINNELL	M&E 30-040590 ASP 21030	N/A	N/A	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER WITH REBUILT

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F



FORM NIS-2 (Back)  
Job Order/File R0098999-01

9. Remarks: VT-3  
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 N/A

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date May 9, 2006  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ABS GROUP INC. of HOUSTON, TEXAS

have inspected the components described in this Owner's Report during the period 9/20/05 to 4/19/06, 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 NB 6977 MI 300975  
National Board, State, Province, and Endorsements  
 Date 5/11 2006

# 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 04/09/06

Sheet 1 of 2

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

Unit 2 Component 2-SI-210

JOB ORDER No. 05340020-01  
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: SPENT FUEL POOL SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI-B31.1 - 1983 Add. Code Case  
(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)
<u>2-SI-210</u>							
VALVE							
1/2" THREADED ROD	N/A	M&E 30-212280 ASP 23399	NA	ASME SA453 GR 660	N/A	REPLACED	NO
1/2" HEX NUT	N/A	M&E 30-212070 ASP 22002	NA	ASME SA194 SA194, GR 8FGR 8F	N/A	REPLACED	NO

7. Description of Work REPLACED BONNET BOLTING

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

55

INIT ABD  
7.1.1

FORM NIS-2 (Back)  
Job Order/File 05340020-01

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  
 Owner or Owner's Designee, Title

Date MAY 2, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 4/10/06 to 5/10/06, 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 NB6947, MI300975  
 National Board, State, Province, and Endorsements

Date 5/10 2006

# 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 04/19/06

Name  
P.O. Box 60 Fort Wayne, IN 46801  
Address

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT

Unit 2 Component 2-SV-104E

Name  
One Cook Place, Bridgman, MI 49106  
Address

JOB ORDER No. R0246231-01  
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  
Address

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 Ed, N/A Add. Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992, Addenda 92

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)
<u>2-SV-104E</u>							
5/8" THREADED ROD	N/A	M&E 30-212290 ASP 29520	NA	ASME SA453 GR 660	N/A	REPLACED	NO
5/8" NUTS	N/A	M&E 30-212090 ASP 30787	NA	ASME SA194 GR 8F	N/A	REPLACED	NO
5/8" NUTS	N/A	M&E 30-212089 ASP 25904	NA	ASME SA194 GR 8M	N/A	REPLACED	NO

7. Description of Work REPLACED BOLTING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ INSERVICE VT-2 Pressure \_\_\_\_\_ psi. Test Temp. \_\_\_\_\_ F

INIT td  
5/19/06

FORM NIS-2 (Back)  
Job Order/File R0246231-01

9. Remarks: Inservice 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 Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date May 9, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 5/14/06 to 5/10/06, 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 NB 6977 MI 300975  
 National Board, State, Province, and Endorsements

Date 5/10 20 06

# 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 04/20/06

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-AFW-S4032-U

Name  
One Cook Place, Bridgman, MI 49106

JOB ORDER No. R0036689-01

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 Ed, N/A Add. N/A Code Case

(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-4032-U							
SNUBBER	GRINNELL	M&E 30-024683 ASP 29372	N/A	S/N 32463	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E 30-025060 ASP 26432	N/A	N/A	N/A	Replacement	NO
"A" SEAL KIT	GRINNELL	M&E 30-040591 ASP 28476	N/A	N/A	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER WITH REBUILT

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
Job Order/File R0036689-01

9. Remarks: VT-3  
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 N/A

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

Signed  Dewayne Timmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

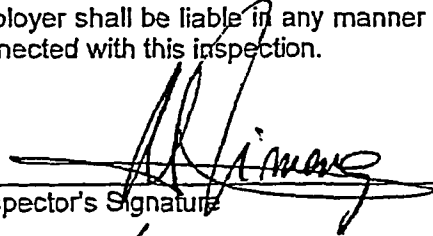
Date May 8, 20 06

**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 ABS GROUP INC. of HOUSTON, TEXAS

HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 1/29/03 to 5/9/06, 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 6947 MI 301975

National Board, State, Province, and Endorsements

Date 5/9 20 06

# 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  
P.O. Box 60 Fort Wayne, IN 46801  
 Name  
 Address

Date 04/22/06

Sheet 1 of 2

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

Unit 2 Component 2-MRV-223

JOB ORDER No. 02346033-12  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
One Cook Place, Bridgman, MI 49106  
 Name  
 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. Code Case  
 (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)
<u>2-MRV-223</u>							
1" BOLT		M&E 30-039909 ASP 29981	N/A	ASME SA193 GR B7	N/A	REPLACED	NO
1" NUT		M&E 30-039910 ASP 29981	N/A	ASTM A194 GR 2H	N/A	REPLACED	NO

7. Description of Work REPLACED BONNET BOLTING

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



FORM NIS-2 (Back)  
Job Order/File 02346033-12

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  
 Owner or Owner's Designee, Title

Date May 14, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS

have inspected the components described in this Owner's Report during the period 4/21/06 to 5/23/06, 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 NB 6977 MI 302975  
 National Board, State, Province, and Endorsements

Date 5/23/2006

# 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  
P.O. Box 60 Fort Wayne, IN 46801  
 Name  
 Address

Date 04/06/06

Sheet 1 of 2

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

Unit 2 Component 2-MRV-242

JOB ORDER No. 05336016-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
One Cook Place, Bridgman, MI 49106  
 Name  
 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. Code Case  
 (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)
<u>2-MRV-242</u>							
VALVE							
CAGE		M&E 30-688865 ASP 27541	N/A	ASTM A747 CB7CU	N/A	REPLACED	NO
SEAT RING		M&E 30-040120 ASP 30215	N/A	ASTM A582	N/A	REPLACED	NO

7. Description of Work REPLACED CAGE AND SEAT RING.

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

FORM NIS-2 (Back)  
Job Order/File 05336016-01

## 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  
 Owner or Owner's Designee, Title

Date May 16, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 01/11/06 to 5/22/06, 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 NB 6977 MI 300925

National Board, State, Province, and Endorsements

Date 5/22 2006

**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 04/01/06Sheet 1 of 2

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

Unit 2 Component 2-PP-50WJOB ORDER No. 06013029-13

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/AAuthorization No. N/AExpiration Date N/A

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

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed. N/A Add. 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)
<u>2-PP-50W</u>							
WELD FILLER MATERIAL	N/A	M&E 30-044990 ASP 29426 & 29734	NA	ER 308/308L	N/A	REPLACED	NO


7. Description of Work CUT WELD FOR ACCESS AND REWELDED

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ PT, RT, VT-2 SYSTEM LEAKAGE Pressure \_\_\_\_\_ psi. Test Temp. \_\_\_\_\_ F

65

INIT

  
5/17/06

FORM NIS-2 (Back)  
Job Order/File 06013029-13

9. Remarks: Reweld after cutout. PT, RT, 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 Bewayne Timmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date May 8, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 3/20/06 to 5/17/06, 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

NB6977 MI 30292  
 National Board, State, Province, and Endorsements

Date 5/7 2006

# 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  
P.O. Box 60 Fort Wayne, IN 46801  
 Name  
 Address

Date 04/04/06

Sheet 1 of 2

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

Unit 2 Component 2-PP-50W

JOB ORDER No. 06040073-01  
 Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department  
One Cook Place, Bridgman, MI 49106  
 Name  
 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 ANSI-B31.1 - 1983 Add. Code Case  
 (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)
<u>2-PP-50W</u>							
MECHANICAL SEAL	FLOWERVE	M&E 30-015098 ASP 31037	NA	ASME SA479 TP316	N/A	REPLACED	NO
MECHANICAL SEAL	FLOWERVE	M&E 30-015099 ASP 31037	NA	ASME SA479 TP316	N/A	REPLACED	NO
SCREW	FLOWERVE	M&E 30-211426 ASP 31036	NA	ASME SA193 GR B6	N/A	REPLACED	NO

7. Description of Work REPLACED MECHANICAL SEALS INCLUDING GLAND PLATE AND SCREWS

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ INSERVICE VT-2 Pressure          psi. Test Temp.          F

INIT 

FORM NIS-2 (Back)  
Job Order/File 60400073-01

9. Remarks: ESAT 06143089 for missed VT-2. VT-2 will be performed when pump runs again.

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  
 Owner or Owner's Designee, Title

Date May 25, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 5-8-06 to 7-24-06, 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.

James L. Lumb  
 Inspector's Signature

Commissions N. B. 16185  
 National Board, State, Province, and Endorsements

Date 7-24 20 06

# 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 04/15/06

Sheet 1 of 2

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

Unit 2 Component 2-CCR-457

JOB ORDER No. R0240871-01  
 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: COMPONENT COOLING WATER SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI-B31.1 - 1983 Add. Code Case  
 (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)
<u>2-CCR-457</u>							
CAGE	N/A	M&E 30-040752 ASP 6286	NA	ASTM A747 CB-7	N/A	REPLACED	NO
STEM	N/A	M&E 30-041238 ASP 11451	NA	ASTM A479 GR 316	N/A	REPLACED	NO
PLUG	N/A	M&E 30-040999 ASP 18102	NA	ASTM A582 TP 416A	N/A	REPLACED	NO

7. Description of Work REPLACED STEM, PLUG AND CAGE.

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



FORM NIS-2 (Back)  
Job Order/File R0240871-01

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  
 Owner or Owner's Designee, Title

Date May 15, 2006

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 4/10/06 to 5/15/06, 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

NB6977 MI300975  
 National Board, State, Province, and Endorsements

Date

5/15/2006

# 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 04/14/06

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-50E

JOB ORDER No. 04305061-28  
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 ANSI B31.1 1983 Ed. N/A Add. 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)
<u>2-PP-50E</u>							
FILLER MATERIAL	N/A	M&E 30-044990 ASP 29734& 27174		ER308/308L	N/A	REPLACED	NO
3/4" ALL THREAD	N/A	M&E 30-212295 ASP 23051	NA	ASME SA453 GR 660	N/A	REPLACED	NO
3/4 HEX NUT	N/A	M&E 30-046903 ASP 15347	NA	ASME SA194 GR 8F	N/A	REPLACED	NO

7. Description of Work REPLACED FLANGE BOLTING AND REWELDED PIPE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☐ PT, RT, INSERVICE VT-2 Pressure \_\_\_\_\_ psi. Test Temp. \_\_\_\_\_ F

FORM NIS-2 (Back)  
Job Order/File 04305061-28

9. Remarks: PT, RT, Inservice 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 Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date May 16, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 9/28/05 to 5/23/06, 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 NB 6877 MI 300975  
 National Board, State, Province, and Endorsements

Date 5/23 2006

# 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 04/14/06

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-50E

JOB ORDER No. 04305061-27  
 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 ANSI B31.1 1983 Ed. N/A Add. 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)
<u>2-PP-50E</u>							
FILLER MATERIAL	N/A	M&E 30-045075 ASP 19713		ER316/316L	N/A	REPLACED	NO
1 1/4" ALL THREAD	N/A	M&E 30-212315 ASP 24977	NA	ASME SA453 GR 660	N/A	REPLACED	NO
1 1/4" HEX NUT	N/A	M&E 30-212142 ASP 30823	NA	ASME SA194 GR 8F	N/A	REPLACED	NO

7. Description of Work REPLACED FLANGE BOLTING AND REWELDED PIPE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ PT, RT, INSERVICE VT-2 Pressure \_\_\_\_\_ psi. Test Temp. \_\_\_\_\_ F

INIT [Signature]  
[Signature]

FORM NIS-2 (Back)  
Job Order/File 04305061-27

9. Remarks: PT, RT, Inservice 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 Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date MAY 11, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 9/28/05 to 5/15/06, 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

NB 02977, MI 804971  
 National Board, State, Province, and Endorsements

Date

5/15/06

# 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  
P.O. Box 60 Fort Wayne, IN 46801  
 Name  
 Address

Date 04/10/06

Sheet 1 of 2

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

Unit 2 Component 2-SV-104W

JOB ORDER No. R0226722-01  
 Repair Org. P.O. No., Job No., etc

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

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

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

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. Code Case  
 (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)
<u>2-SV-104W</u>							
SAFETY VALVE	N/A	M&E 30-036394 ASP 29057	NA	ASME SA351 GR CF8M	N/A	REPLACED	NO
5/8" NUT	N/A	M&E 30-212089 ASP 25904	NA	ASME SA194 GR 8F		REPLACED	NO
5/8" THREADED ROD	N/A	M&E 30-212290 ASP 29520	NA	ASME SA453 GR 660		REPLACED	NO
5/8" NUT	N/A	M&E 30-212090 ASP 30787	NA	ASME SA194 GR 8F		REPLACED	NO

7. Description of Work REPLACED VALVE AND BOLTING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ INSERVICE VT-2 Pressure \_\_\_\_\_ psi. Test Temp. \_\_\_\_\_ F

INIT 5/10/06

FORM NIS-2 (Back)  
Job Order/File R0226722-01

9. Remarks: Inservice 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 Simmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date May 11, 2006

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 ABS GROUP INC. of HOUSTON, TEXAS have inspected the components described in this Owner's Report during the period 4/12/06 to 5/15/06, 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 NB6947 MI 300975  
 National Board, State, Province, and Endorsements

Date 5/15/2006

# 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 04/20/06  
 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-GBD-S568  
 Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0037674-01  
 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: STEAM GENERATOR BLOWDOWN SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. N/A Code Case  
 (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 Stamp ed (Yes or No)
2-GBD-S568							
SNUBBER	GRINNELL	M&E 30-024682 ASP 26349	N/A	S/N 33301	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E 30-025055 ASP 23443	N/A	N/A	N/A	Replacement	NO
"A" SEAL KIT	GRINNELL	M&E 30-040590 ASP 21030	N/A	N/A	N/A	Replacement	NO
TAPER PIN	GRINNELL	M&E 30-024975 ASP 13571	N/A	GRINNELL FIG 312	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER WITH REBUILT
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F



FORM NIS-2 (Back)  
Job Order/File R0037674-01

9. Remarks: VT-3  
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 N/A

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

Signed Dewayne Timmons Maintenance Welding Supervisor Date May 9, 20 06  
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ABS GROUP INC. of HOUSTON, TEXAS

9/21/05 to 5/15/06 have inspected the components described in this Owner's Report during the period 9/21/05 to 5/15/06, 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 NB 6944, MI 300975  
 Date 5/15/2006 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  
 Name  
P.O. Box 60 Fort Wayne, IN 46801  
 Address

Date 04/03/06

Sheet 1 of 2

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

Unit 2 Component 2-NRV-153

JOB ORDER No. 05121006-01  
 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: REACTOR COOLANT SYSTEM ISI CLASS 1

5. (a) Applicable Const. Code ANSI-B31.1 - 1983 Add. Code Case  
 (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)
<u>2-NRV-153</u>							
VALVE							
STEM	N/A	M&E 30-042247 ASP 28948	NA	HAYNES ALLOY 25	N/A	REPLACED	NO
PLUG	N/A	M&E 30-042070 ASP 26743	NA	ASTM A479/276 T316	N/A	REPLACED	NO

7. Description of Work REPLACED STEM AND PLUG

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ VT-2 at NOP/NOT Pressure \_\_\_\_\_ psi. Test Temp. \_\_\_\_\_ F

FORM NIS-2 (Back)  
Job Order/File 05121006-01

9. Remarks: VT-2 at NOP/NOT

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 Simmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date May 8, 20 06

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 ABS GROUP INC. of HOUSTON, TEXAS

have inspected the components described in this Owner's Report during the period 3/14/06 to 5/11/06, 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 NB 6977 MI 300975

National Board, State, Province, and Endorsements

Date 5/11 2006

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

1. Owner Indiana Michigan Power Date July 19, 2006  
Name  
P.O. Box 60, Fort Wayne, IN 46801 Sheet 1 of 2  
Address
2. Plant D.C. Cook Nuclear Power Plant Unit 2  
Name  
Berrien County, Bridgman, MI 49106 see Remarks  
Address Repair/Replacement Organization P O No., Job No., etc
3. Work Performed by AREVA NP Type Code Symbol Stamp N/A  
Name  
3315 Old Forest Rd, Lynchburg, VA 24501 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System Pressurizer, 2-OME-4, ASME III Class 1, ISI Class 1
5. (a) Applicable Construction Code ASME III, 1998 Edition 2000 Addenda, None Code Case  
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: 1989 Edition, no Addenda (see Remarks)  
(c) Applicable Section XI Code Case(s): N-638-1, N-416-1, N-504-2, N-460, 2142-2 (see Remarks)
6. Identification of Components Repaired or Replaced and Replacement 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)
Pressurizer	Westinghouse	1231	6894	M-324233-M	1972	Corrected	Yes

7. Description of Work: Welded Preemptive Weld Overlays on Dissimilar Metal Welds on Safety, Relief, Spray and Surge Nozzles
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
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. (A4) (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

INIT KDS

# FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

Line 2: AREVA Process Traveler Package Nos. 50-9007637-002, 50-9007639-002, 50-9007641-002 and

AEP Job Order Nos. 05237040 17, 18, 22, 23, 27, 28, 32, 33, 37, 38 and 43.

Line 5(b) and (c): See Letter Nos. AEP:NRC:5055-13, AEP:NRC:6055, AEP:NRC:6055-05 and AEP:NRC:6055-17 for <sup>07 REV</sup> 11/7/06

Alternatives to ASME XI 1989 Edition, no Addenda and applicable ASME Section XI Code Cases

## 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

Expiration Date N/A

Signed Kenneth B. Stuckey  
Kenneth B. Stuckey, AREVA NP Technical Consultant  
Owner or Owner's Designee, Title

Date July 19, 2006

## 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 ABS Consulting Inc. of Houston, Texas have inspected the components described in this Owner's Report during the period November 9, 2004 to May 4, 2006 <sup>992</sup> 7-19-06, 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.

James A. Longmeyer  
Inspector's Signature

Commissions NB 10195 AN11

National Board, State, Province, and Endorsements

Date 7-19-06 2006