



January 31, 2005

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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, State of Michigan, National Board 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's commercial service date is July 1, 1978, and the Authorized Code Inspector is Mr. A. S. Jimenez, who is 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, and 1992 Editions with the 1992 Addenda, as applicable.

There are no new commitments in this letter. Should you have any questions, please contact Mr. John A. Zwolinski, Safety Assurance Director, at (269) 466-2428.

Sincerely,

A handwritten signature in black ink, appearing to read 'Daniel P. Fadel', is written over the word 'Sincerely,'.

Daniel P. Fadel  
Engineering Vice President

Attachment: Inservice Inspection Summary Report for the Donald C. Cook Nuclear Plant, Unit 2, 2004, Unit 2 Cycle 15 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  
C. F. Lyon, NRC Washington, DC  
MDEQ – WHMD/HWRPS, w/o attachment  
NRC Resident Inspector

**Attachment to AEP:NRC:5055**

**Inservice Inspection Summary  
Report for the Donald C. Cook Nuclear Plant, Unit 2  
2004, Unit 2 Cycle 15 Refueling Outage.**

Attachment to AEP:NRC:5055

Inservice Inspection Summary  
Report for the Donald C. Cook Nuclear Plant, Unit 2  
2004, Unit 2 Cycle 15 Refueling Outage.

INSERVICE INSPECTION SUMMARY REPORT

FOR THE

DONALD C. COOK NUCLEAR PLANT

UNIT 2

2004, Unit 2 Cycle 15 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 June 20, 2003 to November 09, 2004

Prepared by: Roy E. Hall Date: 1/14/2005  
Roy E. Hall  
ISI Program Owner

Reviewed by: Carl Lane Date: 1/17/05  
Carl Lane  
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 June 20, 2003 to November 09, 2004

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

SECTION 1

INTRODUCTION

This report summarizes the Inservice Inspection activities performed at the Donald C. Cook Nuclear Plant, Unit 2, for the period of June 20, 2003 to November 09, 2004. This report addresses examinations and activities associated with the Unit 2 Cycle 15, 2004 Refueling Outage. This is the first 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 92 Addenda 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



# 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-3-2	Westinghouse/MK-Ferguson	1342- Upper Assembly 3370G - Lower Assembly	M-324-235-M	68-74 - Upper 40 - Lower
Steam Generator, 2-OME-3-3	Westinghouse/MK-Ferguson	1343 - Upper Assembly 3369G - Lower Assembly	M-324-236-M	68-75 - Upper 39 - Lower
Steam Generator, 2-OME-3-4	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
East CTS HT. Exchanger 2-HE-18E	Yuba	69-G-226IB	-	-
West RHR HT. Exchanger 2-HE-17W	Engineers and Fabricators, INC	S-15586-B	-	-
Containment	Graver	-	-	-
Piping Systems - RC, RH, SI, CTS, CCW, CS, ESW, FW, MS	Power Systems Inc. and TUBECO	-	-	-
Pipe Supports	Grinnell	-	-	-

8. Examination Dates: June 20, 2003 to November 09, 2004

9. Inspection Period Identification: Second

10. Inspection Interval Identification: Third

11. Applicable Edition of Section XI 1989 no Addenda & 1992 with 92Addenda

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 JAN 13, 2005 Signed Indiana Michigan Power Co. By Roy 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 MICHIGAN and employed by ABS GROUP INC. of HOUSTON, TX. have inspected the components described in this Owner's Report during the period 6/20/2003 to Nov. 9/2004, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions NB6977, MICHIGAN 300925  
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/17 2005

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 June 20, 2003 to November 09, 2004. This report addresses examinations and activities associated with the Third 10-Year Interval-Second Inspection Period-First Refueling Outage (U-2 Cycle 15). All examinations were in accordance with the 1989 Edition (no Addenda) and 1992 Edition with 92 Addenda as applicable.

Examinations were scheduled and performed according to the Third Ten-Year Long Term Inservice Examination Plan for Class 1, 2, and 3 Systems and Components for Donald C. Cook Nuclear Plant, Unit 2. This is the currently approved ISI examination plan that identifies specific activities to be performed on a refueling outage basis.

Fifty-one (51) ASME Class 1 and eleven (11) ASME Class 2 components were examined. A combination of Ultrasonic, Magnetic Particle, Liquid Penetrant and Visual examination methods were used. One support failed the VT-3 examination. Support 2-GFW-825 had evidence of significant corrosion due to ground water intrusion. It was evaluated by the Design Engineering and found acceptable. The supports upstream, downstream and in the immediate vicinity were examined and found acceptable.

In accordance with CNP response to NRC Bulletin 2004-01, "INSPECTION OF ALLOY 82/182/600 MATERIALS USED IN THE FABRICATION OF PRESSURIZER PENETRATIONS AND STEAM SPACE PIPING CONNECTIONS AT PRESSURIZED - WATER REACTORS", all alloy 82/182 weld locations on the pressurizer received a bare metal visual examination and a best effort ASME Section XI Appendix VIII ultrasonic examination (commonly called PDI) and a surface examination. No evidence of degradation was observed.

Examinations were performed and documented in response to NRC First Revised Order EA-03-009, "ISSUANCE OF ORDER ESTABLISHING INTERIM INSPECTION REQUIREMENTS FOR REACTOR PRESSURE VESSEL HEADS AT PRESSURIZED WATER REACTORS". All 78 Reactor Pressure Vessel Upper Head Penetrations and the Head vent (including the J-Groove welds) were examined using a combination of ultrasonic, surface, eddy current and visual techniques. There was no evidence of Leak Paths in the shrink-fit areas of the penetrations. Evidence of Craze Cracking was observed at Vessel Head Penetrations 13, 15, 21, 43, 59, 64, 68, 74 and 75 on the ID surface of the Penetration tube base material. Craze Cracking indications in these Vessel Head Penetrations were evaluated using WCAP 14118-P Revision 7, "STRUCTURAL INTEGRITY EVALUATION OF REACTOR VESSEL UPPER HEAD PENETRATIONS TO SUPPORT CONTINUED OPERATION: D.C. COOK

UNITS 1 and 2", and did not require removal or repair. Code rejectable rounded indications were observed on the J-groove welds of Penetrations 74 and 75. The rounded indications are not believed to be associated with Primary Water Stress Corrosion Cracking, but rather the initial construction of the vessel head. The rounded indications on Penetration 74 and 75 were repaired via a weld overlay process approved via an NRC relief request.

Inspections of the reactor vessel top head included a bare metal visual examination by qualified VT-2 personnel. No signs of boric acid were noted. The bottom head also received a bare metal visual examination by qualified VT-2 personnel. No signs of boric acid were noted.

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-509  
N-533  
N-616  
N-627  
N-491-1

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



**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3 / Period 2 / Outage 1 (U2-C15)**

**CLASS: 1**

**CATEGORY: B-D**

**ITEM: B3.110**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
006950	6"-2-RC-26	UPPER HEAD TO RELIEF NOZZLE	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-001	54-ISI-130	Total UT coverage was 75%.

MT	VE-04-004	54-ISI-270	See Framatome report U2C15-UT-028. SEE FRAMATOME REPORT U2C15-MT-02.
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<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
006960	6"-2-RC-27	UPPER HEAD TO RELIEF NOZZLE	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-002	54-ISI-130	Total UT coverage was 75%.

MT	VE-04-005	54-ISI-270	See Framatome report U2C15-UT-030. SEE FRAMATOME REPORT U2C15-MT-03.
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**ITEM: B3.120**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
007300	6"-2-RC-26-IRS	UPPER HEAD TO RELIEF NOZZLE	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-003	54-ISI-132	See Framatome Report U2C15-UT-029.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
007400	6"-2-RC-27-IRS	UPPER HEAD TO RELIEF NOZZLE	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-041	54-ISI-132	SEE FRAMATOME REPORT U2C15-UT-031.

**ITEM: B3.140**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
009600	STM-22-I-IRS	INLET NOZZLE INSIDE RADIUSSECTION	22	STEAM GENERATOR NO. 22

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-039	54-ISI-132	SEE FRAMATOME REPORT U2C25-UT-006.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
009700	STM-22-O-IRS	OUTLET NOZZLE INSIDE RADIUS SECTION	22	STEAM GENERATOR NO. 22

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-040	54-ISI-132	SEE FRAMATOME REPORT U2C15-UT-007.



**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3 / Period 2 / Outage 1 (U2-C15)**

**CLASS: 1**

**CATEGORY: B-D**

**ITEM: B3.140**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
010500	STM-23-I-IRS	INLET NOZZLE INSIDE RADIUSSECTION	23	STEAM GENERATOR NO. 23
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
UT	VE-04-037	54-ISI-132	SEE FRAMATOME NDE REPORT U2C15-UT-010	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
010600	STM-23-O-IRS	OUTLET NOZZLE INSIDE RADIUS SECTION	23	STEAM GENERATOR NO. 23
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
UT	VE-04-038	54-ISI-132	SEE FRAMATOME REPORT U2C15-UT-011.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
011400	STM-24-I-IRS	INLET NOZZLE INSIDE RADIUSSECTION	24	STEAM GENERATOR NO. 24
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
UT	VE-04-042	54-ISI-132	SEE FRAMATOME REPORT U2C15-UT-018.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
011500	STM-24-O-IRS	OUTLET NOZZLE INSIDE RADIUS SECTION	24	STEAM GENERATOR NO. 24
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
UT	VE-04-065	54-ISI-132	SEE FRAMATOME REPORT U2C15-UT-019.	
			ONE INDICATION APPEARED BEYOND THE CLAD ROLL BUT DID NOT WALK INTO THE CLAD SIGNAL. APPEARS TO BE A WELDED OR FORGED ATTACHMENT ON ID.	

**CATEGORY: B-F**

**ITEM: B5.130**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
025500	2-RC-21-07	PIPE TO SAFE-END	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-026	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-017.	
UT	VE-04-077	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-027.	

**ITEM: B5.40**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
008000	2-PRZ-21	NOZZLE TO SAFE-END	PRZ	PRESSURIZER
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-007	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-007.	
UT	VE-04-050	54-ISI-829	SEE FRAMATOME REPORT U2C15-UT-020.	
VT	VE-04-051	54-5047902	SEE FRAMATOME REPORT U2C15-VT-001.	

EXAMINED IN RESPONSE TO NRC BULLETIN 2004-01.



**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3 / Period 2 / Outage 1 (U2-C15)**

**CLASS: 1**

**CATEGORY: B-F**

**ITEM: B5.40**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
008100	2-PRZ-22	NOZZLE TO SAFE-END	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-008	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-008.
UT	VE-04-057	54-ISI-829	SEE FRAMATOME REPORT U2C15-UT-021.
VT	VE-04-059	54-5047902	SEE FRAMATOME REPORT U2C15-VT-002.

EXAMINED IN RESPONSE TO NRC BULLETIN 2004-01.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
008200	2-PRZ-23	NOZZLE TO SAFE-END	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-009	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-009.
UT	VE-04-052	54-ISI-829	SEE FRAMATOME REPORT U2C15-UT-022.
VT	VE-04-053	54-5047902	SEE FRAMATOME REPORT U2C15-VT-003.

EXAMINED IN RESPONSE TO NRC BULLETIN 2004-01.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
008300	2-PRZ-24	NOZZLE TO SAFE-END	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-010	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-013.
VT	VE-04-054	54-5047902	SEE FRAMATOME REPORT U2C15-VT-004.

EXAMINED IN RESPONSE TO NRC BULLETIN 2004-01.  
SEE FRAMATOME REPORT U2C15-UT-023.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
008400	2-PRZ-25	NOZZLE TO SAFE-END	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-011	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-014.
UT	VE-04-056	54-ISI-829	SEE FRAMATOME REPORT U2C15-UT-024.
VT	VE-04-058	54-5047902	SEE FRAMATOME REPORT U2C15-VT-005.

EXAMINED IN RESPONSE TO NRC BULLETIN 2004-01.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
008500	2-PRZ-26	SAFE-END TO NOZZLE	PRZ	PRESSURIZER

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-012	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-021.
VT	VE-04-060	54-5047902	SEE FRAMATOME REPORT U2C15-VT-006.

EXAMINED IN RESPONSE TO NRC BULLETIN 2004-01.  
SEE FRAMATOME REPORT U2C15-UT-025.



**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3 / Period 2 / Outage 1 (U2-C15)**

**CLASS: 1**

**CATEGORY: B-F**

**ITEM: B5.70**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
009800	STM-22-02	ELBOW TO INLET NOZZLE	22	STEAM GENERATOR NO. 22

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-013	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-003.
UT	VE-04-046	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-004.
			RECORDABLE GEOMETRY FROM ROOT AREA INTERMITTENTLY FOR 360 DEGREES.
			45 SHEAR = 37.5% COVERAGE 45 RL = 10.2% 60 RL = 10.8%
			BEST EFFORT EXAMINATION.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
009900	STM-22-03	OUTLET NOZZLE TO ELBOW	22	STEAM GENERATOR NO. 22

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-014	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-004.
UT	VE-04-047	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-005.
			RECORDABLE GEOMETRY FROM ROOT AREA INTERMITTENTLY FOR 360 DEGREES.
			45 SHEAR = 37.5% COVERAGE 45 RL = 10.2% 60 RL = 10.8%
			BEST EFFORT EXAMINATION.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
010700	STM-23-02	ELBOW TO INLET NOZZLE	23	STEAM GENERATOR NO. 23

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-015	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-005.
UT	VE-04-048	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-008.
			RECORDABLE GEOMETRY FROM ROOT AREA INTERMITTENTLY FOR 360 DEGREES.
			45 SHEAR = 37.5% COVERAGE 45 RL = 10.2% 60 RL = 10.8%
			BEST EFFORT EXAMINATION.





**Attachment 1**  
**Inservice Inspection Report**  
**Interval 3 / Period 2 / Outage 1 (U2-C15)**

**CLASS: 1**

**CATEGORY: B-F**

**ITEM: B5.70**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
010800	STM-23-03	OUTLET NOZZLE TO ELBOW	23	STEAM GENERATOR NO. 23
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-016	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-006.	
UT	VE-04-049	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-009.	
			RECORDABLE GEOMETRY FROM ROOT AREA INTERMITTENTLY FOR 360 DEGREES.	
			45 SHEAR = 37.5% COVERAGE	
			45 RL = 10.2%	
			60 RL = 10.8%	
			BEST EFFORT EXAMINATION.	

**CATEGORY: B-G-2**

**ITEM: B7.30**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
010320	STM-22-OMB-1 THROUGH 16	OUTLET MANWAY BOLTING	22	STEAM GENERATOR NO. 22
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-039	12-QHP-5050-NDE-006		

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
010360	STM-22-IMB-1 THROUGH 16	INLET MANWAY BOLTING	22	STEAM GENERATOR NO. 22
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-040	12-QHP-5050-NDE-006		

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
011220	STM-23-OMB-1 THROUGH 16	OUTLET MANWAY BOLTING	23	STEAM GENERATOR NO. 23
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-041	12-QHP-5050-NDE-006		

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
011260	STM-23-IMB-1 THROUGH 16	INLET MANWAY BOLTING	23	STEAM GENERATOR NO. 23
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-042	12-QHP-5050-NDE-006		



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**CLASS: 1**

**CATEGORY: B-H**

**ITEM: B8.20**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
008505	2-PRZ-20	VESSEL SUPPORT	PRZ	PRESSURIZER
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
MT	VE-04-006	54-ISI-270	SEE FRAMATOME REPORT U2C15-MT-001.	
			INSULATION MUST BE REMOVED BY SECTIONS TO PREVENT INSULATION FALLING.	
UT	VE-04-078	54-ISI-130		

**CATEGORY: B-J**

**ITEM: B9.11**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
024200	2-RC-20-10	PIPE TO PIPE	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-024	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-022.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
024850	2-RC-21-04	PIPE TO PIPE	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-025	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-016.	
UT	VE-04-069	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-026..	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
025700	2-RC-22-01	SAFE-END TO ELBOW	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-027	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-018.	
UT	VE-04-070	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-032.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
029300	2-RC-25-07	ELBOW TO PIPE	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-028	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-019.	
UT	VE-04-071	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-033.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
030250	2-RC-26-08	PIPE TO PIPE	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-029	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-020.	
UT	VE-04-066	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-034.	



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**CLASS: 1**

**CATEGORY: B-J**

**ITEM: B9.11**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
033200	2-RC-28-16	PIPE TO ELBOW	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-030	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-028.	
UT	VE-04-072	54-ISI-835	SEE FRAMATOME REPORT U2C15-UT-042.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
034300	2-RC-28-23	TEE TO PIPE	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-031	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-023.	
UT	VE-04-075	54-ISI-835	SEE FRAMATOME REPORT U2C15-UT-037.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
034700	2-RC-28-27	ELBOW TO PIPE	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-032	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-038.	
UT	VE-04-064	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-038.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
036400	2-RC-28-37	ELBOW TO PIPE	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-033	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-002.	
UT	VE-04-045	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-003.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
038700	2-RC-29-09	PIPE TO ELBOW	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-034	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-029.	
UT	VE-04-076	54-ISI-835	SEE FRAMATOME REPORT U2C15-UT-043.	
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
039100	2-RC-29-11	PIPE TO ELBOW	RC	REACTOR COOLANT SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
PT	VE-04-035	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-024.	
UT	VE-04-073	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-042.	

This report number is the same as for 2-RC-28-16. Framatome will revise.



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**CLASS: 1**

**CATEGORY: B-J**

**ITEM: B9.31**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
015800	2-RC-17-08N	10-IN. NOZZLE (SET-ON BRANCH CONNECTION)	RC	REACTOR COOLANT SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-017	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-021.
UT	VE-04-063	54-ISI-836	SEE FRAMATOME REPORT U2C15-UT-035.

**CATEGORY: F-A**

**ITEM: F1.10A**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
608600	2-GSI-R-590	PIPE SUPPORT COMPONENT	GSI	SAFETY INJECTION SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-033	12-QHP-5050-NDE-006	

**ITEM: F1.10B**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
607250	2-GSI-R-563	PIPE SUPPORT COMPONENT	GSI	SAFETY INJECTION SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-032	12-QHP-5050-NDE-006	

**ITEM: F1.10WA**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
603700	2-GRC-R-574	PIPE SUPPORT COMPONENT	GRC	REACTOR COOLANT SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-044	12-QHP-5050-NDE-006	

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
606400	2-GSI-R-546	PIPE SUPPORT COMPONENT	GSI	SAFETY INJECTION SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-035	12-QHP-5050-NDE-006	

**ITEM: F1.10WB**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
605400	2-GRC-R-580	PIPE SUPPORT COMPONENT	GRC	REACTOR COOLANT SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-038	12-QHP-5050-NDE-006	



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**CLASS: 1**

**CATEGORY: F-A**

**ITEM: F1.10WC**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
609400	2-GRH-V-509	PIPE SUPPORT COMPONENT	GRH	EMERGENCY CORE COOLING

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-037	12-QHP-5050-NDE-006	

**ITEM: F1.40**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
600005	STM-22-SUPPORT	VESSEL SUPPORTS	22	STEAM GENERATORS

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-043	12-QHP-5050-NDE-006	

**CLASS: 2**

**CATEGORY: C-A**

**ITEM: C1.10**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
300250	STM-23-07	SHELL TO TRANSITION CONE	23	STEAM GENERATOR NO. 23

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-067	54-ISI-130	SEE FRAMATOME REPORT U2C15-UT-016.

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
300260	STM-23-08	TRANSITION CONE TO SHELL	23	STEAM GENERATOR NO. 23

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-068	54-ISI-130	SEE FRAMATOME REPORT U2C15-UT-017.

**ITEM: C1.30**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
300671	E-CTSHEX-1	TUBE SHEET TO SHELL	CTSHE X	CTS HEAT EXCHANGER EAST

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-043	54-ISI-136	SEE FRAMATOME REPORT U2C15-UT-001.  ROOT GEOMETRY SEEN 360 DEGREES AND BELOW RECORDABLE LEVELS.



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**CLASS: 2**

**CATEGORY: C-B**

**ITEM: C2.21**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
300790	W-RHRHEX-OUT	SHELL TO NOZZLE	RHRHE X	RHR HEAT EXCHANGER WEST

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
PT	VE-04-036	54-ISI-240	SEE FRAMATOME REPORT U2C15-PT-001.
UT	VE-04-044	54-ISI-136	SEE FRAMATOME REPORT U2C15-UT-002.

**CATEGORY: C-D**

**ITEM: C4.40**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
322980	MSIV-MRV-210	FLANGE BOLTING	MRV	MAIN STEAM ISOLATION VALVE-LINE 2-MS-90(B-78,B- 79)

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
UT	VE-04-062	54-ISI-840	SEE FRAMATOME REPORT U2C15-UT-025.

WORK PERFORMED UNDER JOA R0250848-06

**CATEGORY: F-A**

**ITEM: F1.20**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
711540	2-GSI-R-537	F-A F1.20ACOMPONENT	GSI	EMERGENCY CORE COOLING SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-031	12-QHP-5050-NDE-006	

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
715070	2-GSI-R-55	PIPE SUPPORT COMPONENT	GSI	EMERGENCY CORE COOLING SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-036	12-QHP-5050-NDE-006	

**ITEM: F1.20B**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
711510	2-GSI-R-535	PIPE SUPPORT COMPONENT	GSI	EMERGENCY CORE COOLING SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-030	12-QHP-5050-NDE-006	



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**CLASS: 2**

**CATEGORY: F-A**

**ITEM: F1.20B**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
762960	2-GSI-L-84	PIPE SUPPORT COMPONENT	GSI	EMERGENCY CORE COOLING SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-027	12-QHP-5050-NDE-006	

**ITEM: F1.20WA**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
711710	2-GSI-R-668	PIPE SUPPORT COMPONENT	GSI	EMERGENCY CORE COOLING SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-034	12-QHP-5050-NDE-006	

**CLASS: 3**

**CATEGORY: F-A**

**ITEM: F1.30A**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
820320	2-GCCW-L-109	PIPE SUPPORT COMPONENT	GCCW	COMPONENT COOLING WATER SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-015	12-QHP-5050-NDE-006	

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
820440	2-GCCW-R-137	PIPE SUPPORT COMPONENT	GCCW	COMPONENT COOLING WATER SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-016	12-QHP-5050-NDE-006	

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
822210	2-GCCW-R-77	PIPE SUPPORT COMPONENT	GCCW	COMPONENT COOLING WATER SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-017	12-QHP-5050-NDE-006	

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
830640	2-GESW-R-8	PIPE SUPPORT COMPONENT	GESW	ESSENTIAL SERVICE WATER SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-020	12-QHP-5050-NDE-006	



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**CLASS: 3**

**CATEGORY: F-A**

**ITEM: F1.30A**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
831310	2-GESW-R-56	PIPE SUPPORT COMPONENT	GESW	ESSENTIAL SERVICE WATER SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-018	12-QHP-5050-NDE-006		
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
853420	2-GFW-R-180	PIPE SUPPORT COMPONENT	GFW	FEEDWATER SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-026	12-QHP-5050-NDE-006		
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
853750	2-GFW-R-146	PIPE SUPPORT COMPONENT	GFW	FEEDWATER SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-025	12-QHP-5050-NDE-006		

**ITEM: F1.30B**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
822600	2-GCCW-R-586	PIPE SUPPORT COMPONENT	GCCW	COMPONENT COOLING WATER SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-028	12-QHP-5050-NDE-006		
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
822830	2-GCCW-R-567	PIPE SUPPORT COMPONENT	GCCW	COMPONENT COOLING WATER SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-029	12-QHP-5050-NDE-006		
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
831020	2-GESW-R-70	PIPE SUPPORT COMPONENT	GESW	ESSENTIAL SERVICE WATER SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-019	12-QHP-5050-NDE-006		
<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
856570	2-GFW-L-168	PIPE SUPPORT COMPONENT	GFW	AUXILIARY FEEDWATER SYSTEM
<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>	
VT	VT-04-021	12-QHP-5050-NDE-006		





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**CLASS: 3**

**CATEGORY: F-A**

**ITEM: F1.30WA**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
853016	2-GFW-L-825	PIPE SUPPORT COMPONENT	GFW	FEEDWATER SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-024	12-QHP-5050-NDE-006	

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
853650	2-GFW-L-802	PIPE SUPPORT COMPONENT	GFW	FEEDWATER SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-023	12-QHP-5050-NDE-006	

**ITEM: F1.30WB**

<u>Summary No.</u>	<u>Component ID</u>	<u>Component Description</u>	<u>System</u>	<u>System Description</u>
853410	2-GFW-L-179	PIPE SUPPORT COMPONENT	GFW	FEEDWATER SYSTEM

<u>Method</u>	<u>Report No.</u>	<u>Examination Procedure</u>	<u>Examination Remarks</u>
VT	VT-04-022	12-QHP-5050-NDE-006	

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 June 20, 2003 to November 09, 2004. These tests were performed in accordance with the requirements of ASME Section XI, 1989 (no Addenda) and 1992 Editions with 92 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.

TEST	DESCRIPTION	DATE
R0246859-02	PERFORM DEPRESSURIZED WALKDOWN PER CODE CASE N-533	10/18/04
R0246859-01	PERFORM RCS VT-2 EXAMINATION @ NOP/NOT CONDITIONS	11/09/04
R0208655-01, 02, 03 and 04	PERFORM VT-2 UNIT 2 NESW SYSTEM	11/12-27/04

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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	10-12-04	R0246464	Acceptable
2-GRC-S538	10-12-04	R0246464	Acceptable
2-GRC-S555	10-12-04	R0246464	Acceptable
2-GRC-S562	10-12-04	R0246464	Acceptable
2-GRC-S564	10-12-04	R0246464	Acceptable
2-GRC-S566	10-12-04	R0246464	Acceptable
2-GRC-S573	10-12-04	R0246464	Acceptable
2-GRC-S575	10-12-04	R0246464	Acceptable
2-GRC-S582	10-13-04	R0246464	Acceptable
2-GRC-S592	10-12-04	R0246464	Acceptable
2-GRC-S594	10-12-04	R0246464	Acceptable
2-GRC-S596	10-12-04	R0246464	Acceptable
2-GRC-S598	10-12-04	R0246464	Acceptable
2-GRC-S599	10-12-04	R0246464	Acceptable
2-GRC-S609	10-12-04	R0246464	Acceptable
2-GRC-S611	10-12-04	R0246464	Acceptable
2-GRC-S623	10-12-04	R0246464	Acceptable
2-GRC-S624	10-13-04	R0246464	Acceptable
2-GRC-S626	10-12-04	R0246464	Acceptable
2-GRC-S629	10-12-04	R0246464	Acceptable
2-GRC-S630	10-12-04	R0246464	Acceptable
2-GRC-S632	10-12-04	R0246464	Acceptable
2-GRC-S631	10-12-04	R0246464	Acceptable
2-GRC-S587	10-12-04	R0246464	Acceptable
2-AFW-S4023	10-22-04	R0245347	Acceptable
2-AFW-S4024(L)	10-22-04	R0245347	Acceptable
2-AFW-S4024(U)	10-22-04	R0245347	Acceptable
2-AFW-S4021	10-22-04	R0245347	Acceptable
2-AFW-S4028(L)	10-22-04	R0245347	Acceptable
2-AFW-S4028(U)	10-22-04	R0245347	Acceptable

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Snubber VT-3 Visual Examinations  
(continued)

Snubber No.	Exam Date	Job Order No.	Results
2-AFW-S4027	10-22-04	R0245347	Acceptable
2-AFW-S4025	10-22-04	R0245347	Acceptable
2-AFW-S4031	10-22-04	R0245347	Acceptable
2-AFW-S4032(L)	10-22-04	R0245347	Acceptable
2-AFW-S4032(U)	10-22-04	R0245347	Acceptable
2-AFW-S4029	10-22-04	R0245347	Acceptable
2-AFW-S4036(L)	10-22-04	R0245347	Acceptable
2-AFW-S4036(U)	10-22-04	R0245347	Acceptable
2-AFW-S4035	10-22-04	R0245347	Acceptable
2-AFW-S4033	10-22-04	R0245347	Acceptable
2-GBD-S563(L)	10-12-04	R0247176	Acceptable
2-GBD-S563(U)	10-12-04	R0247176	Acceptable
2-GBD-S569(L)	10-12-04	R0247176	Acceptable
2-GBD-S569(U)	10-12-04	R0247176	Acceptable
2-GBD-S568	10-13-04	R0247176	Acceptable
2-GCCW-S840	8-28-04	R0240820	Acceptable
2-GCCW-S843	8-28-04	R0240820	Acceptable
2-OME-3-1-HSD-3U	10-6-04	R0245073	Acceptable
2-OME-3-1-HSD-3L	10-6-04	R0245073	Acceptable
2-OME-3-1-HSD-1U	10-6-04	R0245073	Acceptable
2-OME-3-1-HSD-1L	10-6-04	R0245073	Acceptable
2-OME-3-2-HSD-3U	10-6-04	R0245073	Acceptable
2-OME-3-2-HSD-3L	10-6-04	R0245073	Acceptable
2-OME-3-2-HSD-1U	10-6-04	R0245073	Acceptable
2-OME-3-2-HSD-1L	10-6-04	R0245073	Acceptable
2-OME-3-3-HSD-3U	10-6-04	R0245073	Acceptable
2-OME-3-3-HSD-3L	10-6-04	R0245073	Acceptable
2-OME-3-3-HSD-1U	10-6-04	R0245073	Acceptable
2-OME-3-3-HSD-1L	10-6-04	R0245073	Acceptable
2-OME-3-4-HSD-3U	10-6-04	R0245073	Acceptable
2-OME-3-4-HSD-3L	10-6-04	R0245073	Acceptable
2-OME-3-4-HSD-1U	10-6-04	R0245073	Acceptable
2-OME-3-4-HSD-1L	10-6-04	R0245073	Acceptable

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Snubber Functional Tests

Snubber No.	Test Date	Job Order No.	Results	Remarks
2-GRC-S537	10-25-04	R0226292	Accept.	Small Bore Grinnell
2-GRC-S564	10-25-04	R0012538	Accept.	Small Bore Grinnell
2-GRC-S566	10-25-04	R0014603	Accept.	Small Bore Grinnell
2-GRC-S587	10-25-04	R0012533	Accept.	Small Bore Grinnell
2-AFW-S4028-U	10-26-04	R0036213	Accept.	Small Bore Grinnell
2-AFW-S4027	10-26-04	R0037673	Accept.	Small Bore Grinnell
2-GBD-S563-U	10-27-04	R0101350	Accept.	Small Bore Grinnell
2-OME-3-2-HSD-1L	10-16-04	R0078798	Accept.	Large Bore
2-OME-3-2-HSD-1U	10-16-04	R0100001	Accept.	Large Bore
2-OME-3-2-HSD-3L	10-18-04	R0078799	Accept.	Large Bore
2-OME-3-2-HSD-3U	10-19-04	R0058811	Accept.	Large Bore

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

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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 June 20, 2003 through November 9, 2004, 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. Visual examinations on pressure retaining bolting were performed 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. There were no areas that required to be classified as an Augmented Examination area in accordance with IWE-1240.

Prog. Owner: James M. Fitchuk

Date: 1-7-05

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

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Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (if rejectable)	Disposition*/ Corr. Actions
10/2/2004	2	R256824-02	Penetration 2-CPN-76 Flange Bolting	VT-1	None	Accept
10/3/2004	2	R256824-01	Penetration 2-CPN-67 Flange Bolting	VT-1	None	Accept
10/3/2004	2	R256824-11	Penetration 2-CPN-71 Flange Bolting	VT-1	None	Accept
10/13/2004	2	02234043-10	Personnel Airlock 2-AIRLOCK-C612 Various areas prior to paint removal	VT-3	None	Accept
10/13/2004	2	03248008-01	Penetration 2-CPN-5 - At the edge of the cooler toward the flued head to just past the break of the head down toward the main steam line.	VT-3	None	Accept
10/13/2004	2	03247027-01	Penetration 2-CPN-2 - At the edge of the cooler toward the flued head to just past the break of the head down toward the main stem line.	VT-3	None	Accept
10/13/2004	2	R256824-09	Penetration 2-CPN-57 Flange Bolting	VT-1	Localized general corrosion <5%	Accept
10/14/2004	2	02234043-14	Upper Personnel Airlock Bolting 2-UPLIDH-BOLTING inner door handwheel bolting	VT-1	None	Accept
10/14/2004	2	02234043-15	Upper Personnel Airlock Bolting 2-UPLIDI-BOLTING inner door interlock bolting	VT-1	None	Accept
10/14/2004	2	02234043-13	Upper Personnel Airlock Bolting 2-UPLIDH-BOLTING inner door handwheel bolting	VT-1	None	Accept
10/16/2004	2	03248007-01	Penetration 2-CPN-4 - Containment Penetration from Weld Pressurization Channel extending out past radial portion of flued head to insulation	VT-3	Arc strikes acceptable per 12-MHP-5050-SPC-002, flaking, blistering, peeling paint, and discoloration caused by high temps. No base metal degradation.	Accept
10/16/2004	2	02234043-12	Upper Personnel Airlock Bolting 2-UPLIDV-BOLTING inner door viewport bolting	VT-1	None	Accept

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

Prog. Owner: James M. Fittler

Date: 1-7-05

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

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Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (if rejectable)	Disposition*/ Corr. Actions
10/16/2004	2	R0246502-06	1) Zone 2-612-5 EL. 637', behind Ice Cond. Between Col. 5 & 6. Section of liner plate approx. 18" long 12" up above Divider Barrier seal. 2) Zone 2-612-20 EL. 638', behind Ice Cond. Between Col. 20 & 21. Section of liner plate approx. 18" long and 12" up above Divider Barrier seal.	General Visual	None	Accept
10/19/2004	2	R0246386-07	Exam prior to coating removal: 1) Zone 2-612-25B 6' section east of vertical divider barrier seal from EL. 637' down to EL. 627'. 2) Zone 2-612-25A 6' section east of vertical divider barrier seal from EL. 627' down to EL. 612' and 6' section above horizontal divider barrier seal. 3) Zone 2-612-26A 6' section above horizontal divider barrier seal. 4) Zone 2-612-27A 6' section above horizontal divider barrier seal.	VT-3	Coating: peeling, delamination, chipped paint, cementitious material. No base metal degradation.	Accept
10/20/2004	2	R0256824-05	Personnel Airlock 2-AIRLOCK-C612 inner and outer door handwheel bolting - 2-LPLODH-BOLTING, 2-LPLIDH-BOLTING	VT-1	None	Accept
10/20/2004	2	03248006-01	Exam prior to coating removal: Penetration 2-CPN-3 from liner plate weld pressurization channel to 4-pass cooling coil.	VT-3	Coating: flaking, peeling, discoloration, cementitious material. No base metal degradation.	Accept
10/26/2004	2	R256824-04	Personnel Airlock 2-AIRLOCK-C612 outer door electrical penetration 2-LPLODE-BOLTING	VT-1	None	Accept
10/25/2004	2	R256824-03	Personnel Airlock 2-AIRLOCK-C612 inner door electrical penetration 2-LPLIDE-BOLTING	VT-1	None	Accept
10/26/2004	2	R246386-07	Exam prior to coating removal: Penetration 2-CPN-76 and liner plate at EL. 598 by Column 22 from floor to 4 feet above floor.	VT-3	Coating: flaking, peeling, discoloration, mechanical damage. No base metal degradation.	Accept

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



Prog. Owner: James M. Fitch

Date: 1-7-05

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

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Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (If rejectable)	Disposition*/ Corr. Actions
10/28/2004	2	R102265-02	Personnel Airlock 2-AIRLOCK-C650 upper personnel lock inner and outer door viewport bolting - 2-UPLIDV-BOLTING, 2-UPLODV-BOLTING	VT-1	None	Accept
10/28/2004	2	04032011-07	Personnel Airlock 2-AIRLOCK-C612 inner door viewport bolting - 2-LPLIDV-BOLTING	VT-1	None	Accept
10/31/2004	2	R246386-07	Exam prior to coating repairs: Zone 2-612-10B, Zone 2-612-11B, 2-612-12B, 2-612-13B, 2-612-14B, 2-612-15B	VT-3	Coating: chipping, flaking, peeling, delamination, surface rust. No liner degradation noted.	Accept
11/2/2004	2	R102265-01	Personnel Airlock 2-AIRLOCK-C612 inner and outer door viewport and electrical penetration bolting - 2-LPLIDV-BOLTING, 2-LPLODV-BOLTING, 2-LPLIDE-BOLTING, 2-LPLODE-BOLTING	VT-1	None	Accept
11/3/2004	2	R246386-07	Exam prior to coating repair: liner plate at 612 EL of the East CEQ Fan Room from one vertical divider barrier seal to the other divider barrier seal from floor to 1 foot above weld channel approx. 7 feet above floor.	VT-3	Coating: flaking, peeling, discoloration. No liner degradation noted.	Accept

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

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SECTION 7

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

**1.0 2004 Steam Generator In-Service Inspections**

During October of 2004, eddy current inspections were conducted on the Unit 2 steam generators as detailed below. Based upon the favorable results of this inspection and in accordance with the provisions of Technical Specification 4.4.5.3a as noted above, 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.

**1.1 Unit 2 Steam Generator Description**

The four replacement Westinghouse model 54F steam generators were initially placed in service in March of 1989.

Each of the replacement steam generators contains 3592 thermally treated (TT) alloy 690 tubes with an outside diameter of 0.875 inches and a nominal wall thickness of 0.050 inches. All tubes in the eight innermost rows were thermally stress relieved after bending. In addition, the bundle has an increased tube bend radius i.e. row 1 bend radius is equal to 3.14 vs. 2.19 in the original steam generators, which further reduces the residual stress in the U-bend area.

The tube support structures consist of seven 1.12 inch thick support plates with quatrefoil holes and six anti-vibration bars that are located in the u-bend region of the tubes. There is also a flow distribution baffle located between the tubesheet and the first support plate. The flow distribution baffle is 0.75 inches thick with octofoil holes. The support plates, anti-vibration bars, and the flow distribution baffle are all made of type 405 stainless steel.

The tubesheet is a nominal 21 inches thick and is made of ASME SA-508 Class 2a low alloy steel forging material with Inconel cladding on the primary side. With the exception of seven tubes that lack hydraulic expansion in either the hot or cold leg tubesheet due to a manufacturing oversight, all remaining tubes are fully hydraulically expanded into the tubesheet.

## 1.2 Inspection Scope

The 2004 Cook Unit 2 steam generator inspection scope consisted of:

- 25% full length inspection (except Row 1 and Row 2 U-bends) with a bobbin coil – All SGs
- 20% hot leg expansion transition, +/- 3" with a rotating coil - SGs 22 & 23
- 20% small radius (Row 1 and Row 2) U-bends with a rotating coil – SG 22
- Special interest rotating coil examinations in areas of interest reported during the bobbin coil – All SGs

## 1.3 Inspection Results

The bobbin coil sample inspection resulted in eleven indications of potential tube degradation among the four steam generators.

Four of these indications were minor tube support wear indications that had been identified during previous inspections and were in the 2004 inspection plan for continued monitoring. Review of these indications found essentially no change from the last inspection:

SG	Tube Row	Tube Column	Location	2002 Results (% Through-Wall)	2004 Results (% Through-Wall)
21	6	53	5 <sup>th</sup> Hot Leg Support - 0.63"	6	6
21	6	53	6 <sup>th</sup> Hot Leg Support - 0.61"	11	13
21	6	54	4 <sup>th</sup> Hot Leg Support - 0.64"	7	5
21	6	54	5 <sup>th</sup> Hot Leg Support - 0.62"	4	4

The remaining seven bobbin coil indications of interest required further characterization by rotating examination:

- The one distorted tubesheet indication (DTI) was examined and no degradation was detected.
- The one permeability variation indication (PVN) was examined and no degradation was detected.
- The one distorted support indication (DSI) was examined and a loose part (LPI) was detected. This tube was ultimately plugged due to loose part wear.
- The four manufacturing burnish mark indications (MBI) were examined and were identified as volumetric (VOL). As a result of the rotating coil examination and historical comparisons, these four indications were revised to manufacturing burnish mark – history (MBH) indications. That is, a manufacturing burnish mark indication from a previous inspection that had not changed.

No indications of degradation were detected during the planned rotating coil inspections performed at the top of the tubesheet or in the U-bend area.

Special interest inspections were performed on a sample of dings  $\geq 2$  volts, a sample of freespan indications  $\geq 0.50$  volts, all tubesheet bulge indications from the programmed bobbin coil tubes, all bobbin "I" codes, all permeability indications and all indications of no hydraulic expansion. In addition, areas where loose parts were identified were also inspected to ensure no tube damage was present. The examinations were all conducted with a rotating coil and detected no degradation.

#### 1.4 Plugged Tubes

The tube in location row 46, column 37 in steam generator 22 was plugged due to tube wear from a foreign object. The indication was located just below the hot leg flow distribution baffle and was sized at 25% by the bobbin coil and 33% by rotating coil. As a result, this tube was considered degraded ( $\geq 20\%$  wall loss). The examination did not identify any other tubes that were degraded or defective and as result, no other tubes were plugged.

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SECTION 8

NIS-2 REPAIR AND REPLACEMENT INDEX

## *Unit 2 Cycle 15 ASME Repairs and Replacements*

<i>Job Order</i>	<i>Description</i>	<i>Component</i>	<i>Code Class</i>
04281076 12	2-ACS-R-5017, CUT SUPPORT, INSTALL, WELD IN PLACE	2-ACS-R-5017	2
R0037673 01	2-AFW-S4027: REMOVE / FUNCTIONAL TEST /REPLACE	2-AFW-S4027	2
R0036213 01	REMOVE/FUNCTIONAL TEST/INSTALL NEW SNUBBER	2-AFW-S4028-U	2
04028019 01	2-MOD-45672, MODIFY RTD BYPASS MANIFOLD SUPPORT	2-ARC-R4007	1
R0233734 01	2-CCW-122 DISASSEMBLE/INSPECT/REPAIR/REPLACE PARTS	2-CCW-122	2
03274024 01	2-CCW-135 REPLACE VALVE	2-CCW-135	2
R0247984 01	2-CCW-142 DISASSEMBLE/INSPECT PER SOER 86-03	2-CCW-142	2
04259051 01	2-CPN-66, REPAIR LEAK AT PENETRATION (2-DCR-202)	2-CPN-66	2
04281076 03	2-CMM-40151; PREP NEW VALVE FOR INSTALLATION	2-CS-269W	2
03267031 01	2-CS-369 REPLACE VALVE BONNET PER EE-2004-0095	2-CS-369	2
03268007 01	2-CS-370 REPLACE VALVE BONNET PER EE-2004-0095	2-CS-370	2
04028033 02	2-MOD-45518, INSTALL CHECK VALVE AND TEST POINT	2-CS-605	2
03216002 01	2-CTS-119E, DISASSEMBLE, REPAIR TO STOP BINDING.	2-CTS-119E	2
03238025 01	REPLACE U2 SGBD PIPING UNDER FLOW INST 2-DFI-411	2-DFI-411	2
03238025 02	REPLACE U2 SGBD PIPING UNDER FLOW INST 2-DFI-421	2-DFI-421	2
03171066 02	2-FW-118-4 REMOVE TEMP MOD/REPAIR BRG COVER	2-FW-118-4	2
03171066 15	2-FW-118-4 DISASSEMBLE,EXCAVATE CKV BODY ANOMALY	2-FW-118-4	2
03171066 17	2-FW-118-4 WELD REPAIR EXCAVATED AREAS, REASSEMBLE	2-FW-118-4	2
03171066 22	INSPECT/REPAIR INDICATIONS ON NORTH SIDE OF VLV.	2-FW-118-4	2
03237006 05	2-FW-132-1 MACHINE VLV BODY GASKET SEATING SURFACE	2-FW-132-1	2
C0092918 01	2-FW-132-2 INSTALL DISC. W/ANTI-ROTATION LUGS	2-FW-132-2	2
C0092918 04	2-FW-132-2 INSTALL ANTI-ROTATION LUGS ON NEW DISC	2-FW-132-2	2
03225029 06	2-FW-132-3, REPLACE BODY TO BONNET GASKET	2-FW-132-3	2
03351050 01	2-FW-132-3 DISASSEMBLE/INSPECT/REPAIR CHECK VALVE	2-FW-132-3	2
R0214393 01	2-FW-138-3 INSPECT CHECK VALVE, PER 86-03 PROGRAM	2-FW-138-3	2
C0092923 04	2-FW-138-3 INSTALL ANTI-ROTATION LUGS ON NEW DISC	2-FW-138-3	2
R0101350 01	2-GBD-S563-U: REMOVE / FUNCTIONAL TEST /REPLACE	2-GBD-S563-U	2

<i>Job Order</i>	<i>Description</i>	<i>Component</i>	<i>Code Class</i>
04288060 03	2-GRC-R-574 REPAIR GAP AT BEARING LOCATION	2-GRC-R-574	1
R0226292 01	2-GRC-S537: REMOVE/TEST AND INSTALL NEW SNUBBER	2-GRC-S537	1
R0012538 01	2-GRC-S564: REMOVE / FUNCTIONAL TEST /REPLACE	2-GRC-S564	1
R0014603 01	2-GRC-S566: REMOVE / FUNCTIONAL TEST /REPLACE	2-GRC-S566	1
04289031 01	2-GRH-R-817 REPAIR PIPE HANGER NEXT TO 2-RH-116E	2-GRH-R-817	2
02127061 01	2-LDCP-5205 REWORK AND INSPECT HANGERS	2-GRH-R810	2
02038052 03	2-ICM-321, REPLACE BONNET	2-ICM-321	2
02220023 06	2-ICM-321-ACT TACK WELD YOKE TO VALVE BONNET	2-ICM-321	2
04276008 01	2-ILA-121-V1 INVESTAGATE AND REPAIR BORON LEAK	2-ILA-121-V1	2
03316029 08	2-ILA-202, REPLACE FASTENERS AND INCREASE TORQUE	2-ILA-202	2
04307059 01/02	2-CMM-40155; INSTALL HOT TAP TO RHR SUCTION	2-IMO-390	2
03339023 01	2-MOD-35533, REPLACE VALVES 2-IRV-310, 311, & 320	2-IRV-310	2
03339023 05	2-MOD-35533, REPLACE VALVES 2-IRV-310, 311, & 320	2-IRV-311	2
03339023 09	2-MOD-35533, REPLACE VALVES 2-IRV-310, 311, & 320	2-IRV-320	2
R0250848 01	2-MRV-210 DISASSEMBLE/REFURBISH THE VALVE ASSEMBLY	2-MRV-210	2
04047056 01	2-MRV-241 REPAIR VALVE LEAK BY	2-MRV-241	2
04277047 01	2-MS-135-1, WELD REPLACE VALVE	2-MS-135-1	2
04090049 03	2-OME-3-1, RESTORE SECONDARY MANWAY FROM TEMP. MOD	2-OME-3-1	2
R0252183 01	2-OME-3-4 REPLACE MANWAY STUDS AND NUTS AS NEEDED	2-OME-3-4	1
04276040 14	2-PP-50W, INSTALL NEW PUMP ASSEMBLY EE-2003-0619	2-PP-50W	2
04276040 22	2-PP-50W, RE-INSTALL PUMP DIACHARGE PIPE	2-PP-50W	2
04281076 01/02/03	2-CMM-40151; REPLACE PIPING	2-PP-50W	2
03162051 01	2-PW-275, REPLACE WELDED CHECK VALVE(EE-2003-0003)	2-PW-275	2
R0246683 05	2-SV-45A REMOVE/REPLACE VALVE FOR TESTING	2-SV-45A	1
R0255732 06	2-SV-45B REMOVE/REPLACE VLV FOR SETPOINT TESTING	2-SV-45B	1
R0255731 05	2-SV-45C, REMOVE/REPLACE VALVE FOR TESTING	2-SV-45C	1
04118056 01	2-SV-51; REPLACE WITH NEW VALVE AND TEST	2-SV-51	2
R0230508 03	2-TK-86 OPEN/CLOSE TO ACCESS 2-SV-344E FOR TESTING	2-TK-86	2

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

SECTION 9

NIS-2 REPAIR AND REPLACEMENT REPORTS



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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-23-04

Sheet 1 of 2

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

Unit 2 Component 2-ACS-R-50167 *KRW 12/15/08*  
 JOB ORDER No. 04281076-12  
 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 VOLUMN AND CONTROL 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)
2-ARC-R-5017							
1/8" WELD FILLER MATERIAL	N/A	M&E 30-044313 ASP 28160	N/A	ER 70S-2	N/A	REPLACED	NO

7. Description of Work CUT SUPPORT AND REWELD TO ALLOW PIPE INSTALLATION

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

FORM NIS-2 (Back)  
**Job Order/File 04281076-12**

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 Dec. 6, 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 10/22/04 to 10/23/04, 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 NB6977 MI 300975

National Board, State, Province, and Endorsements

Date 12/10/2000

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-26-04

Sheet 1 of 2

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

Unit 2 Component 2-AFW-S4027

JOB ORDER No. R0037673-01  
 Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: FEEDWATER 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-S4027							
SNUBBER	GRINNELL	M&E 30-024683 ASP # 29372	N/A	N/A	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
BUSHING PISTON	GRINNELL	M&E 30-024791 ASP-23023	N/A	N/A	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F

INIT 11/6  
12/13/02

FORM NIS-2 (Back)  
Job Order/File R0037673-01

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 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 Nov. 11, 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 8/31/04 to 10/09/04, 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 NBC997 MI 300975  
 National Board, State, Province, and Endorsements

Date 12/13 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-27-04

Sheet 1 of 2

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

Unit 2 Component 2-AFW-S4028-U

JOB ORDER No. R0036213-01  
 Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: FEEDWATER 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-S4028-U							
SNUBBER	GRINNELL	M&E 30-024683 ASP # 29372	N/A	N/A	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
BUSHING PISTON	GRINNELL	M&E 30-024791 ASP-20905	N/A	N/A	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F

41

INIT [Signature]  
12/12/04

FORM NIS-2 (Back)  
Job Order/File R0036213-01

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 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 Nov. 11, 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

Report during the period 10/20/04 to 10/27/04 have inspected the components described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. 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.

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 NBC977 MI300975

National Board, State, Province, and Endorsements

Date 12/13/04

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-09-04

Sheet 1 of 3

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

Unit 2 Component 2-ARC-R4007

JOB ORDER No. 04028019-01

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 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)
2-ARC-R4007							
STEEL ANGLE 4" x 4" x 3/8"	N/A	M&E 30-153034 ASP 18841	N/A	ASTM A36 1990	N/A	ADDED	NO
5/8" PLATE	N/A	M&E 30-153194 ASP 23756	N/A	ASTM A36 1990	N/A	ADDED	NO
TUBE STEEL 4" x 4" x 1/2"	N/A	M&E 30-153269 ASP 29063	N/A	ASTM A500 1990	N/A	ADDED	NO
1/2" PLATE	N/A	M&E 30-153250 ASP 16017	N/A	ASTM A36 1990	N/A	ADDED	NO

7. Description of Work ADD A SUPPORT TO PIPING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ MT, VT-3 Pressure N/A psi. Test Temp. N/A F

43

INITIALS  
1/6/05

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-09-04

Sheet 2 of 3

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

Unit 2 Component 2-ARC-R4007

JOB ORDER No. 04028019-01

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 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)
2-ARC-R4007							
FIG 137 U-BOLT	GRINNELL	M&E 30-024116 ASP 16149	N/A	N/A	N/A	ADDED	NO

7. Description of Work ADD A SUPPORT TO PIPING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ MT, VT-3 Pressure N/A psi. Test Temp. N/A F

44

INITIALS  
1/6/05



FORM NIS-2 (Back)  
**Job Order/File 04028019-01**

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 JAN 4, 20 05

**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 9/21/04 to 10/31/04, 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 308925  
 National Board, State, Province, and Endorsements

Date

1/6 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-17-04

Sheet 1 of 2

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

Unit 2 Component 2-CCW-122

JOB ORDER No. R0233734-01  
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 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)
2-CCW-122							
VALVE	CENTERLINE	M&E 30-034578 ASP 29322	N/A	DEDICATION PLAN PV-0057	N/A	REPLACED	NO

7. Description of Work REPLACE VALVE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

46

INITIALS  
1/7/05

FORM NIS-2 (Back)  
**Job Order/File R0233734-01**

## 9. Remarks:

Applicable Manufacturer's Data Reports to be attached

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**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 JAN 5, 20 05

**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 8/27/02 to 10/3/02, 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 NR6944 MI 300825  
 National Board, State, Province, and Endorsements

Date 1/7 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-14-04

Sheet 1 of 2

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

Unit 2 Component 2-CCW-135

JOB ORDER No. 03274024-01

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 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)
2-CCW135							
VALVE		M&E 30-037575 ASP 29211	N/A	ASME SA479 TP316		REPLACED	

7. Description of Work REPLACED VALVE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
**Job Order/File 03274024-01**

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 Dec. 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 8/25/04 to 10/31/04, 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 NB6977 / MI 308975

National Board, State, Province, and Endorsements

Date 12/9 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-12-04

Sheet 1 of 2

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

Unit 2 Component 2-CCW-142

JOB ORDER No. R0247984-01

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 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)
2-CCW-142							
VALVE	CENTERLINE	M&E 30-034576 ASP 29202	N/A	DEDICATION PLAN PV-0057	N/A	REPLACED	NO

7. Description of Work REPLACE VALVE

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

Other ☐ VT-2, Pressure N/A psi. Test Temp. N/A F

50

INIT AS  
12/31/04

FORM NIS-2 (Back)  
**Job Order/File R0247984-01**

## 9. Remarks:

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_

\_\_\_\_\_

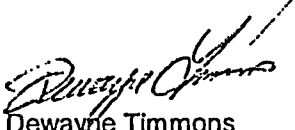
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

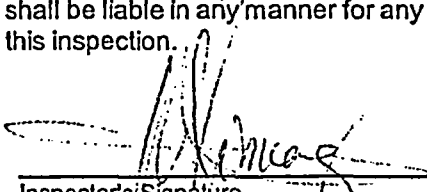
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date Dec. 14, 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 4/15/04 to 10/31/04, 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

NB0977 MI 308971  
 National Board, State, Province, and Endorsements

Date 12/30/2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-5-04

Sheet 1 of 2

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

Unit 2 Component 2-CPN-66

JOB ORDER No. 04259051-01  
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: NUCLEAR SAMPLING PENETRATION 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)
2-CPN-66							
1/16" WELD FILLER MATERIAL	N/A	M&E 30-045071 ASP 1191	N/A	ER 316	N/A	REPLACED	NO

7. Description of Work REPAIRED WELD AT PENETRATION

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ PT Pressure N/A psi. Test Temp. N/A F

52

INIT 12/16/00



FORM NIS-2 (Back)  
**Job Order/File 04259051-01**

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

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

Date Nov 30, 2004

**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 9/16/00 to 10/5/04, 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 12/16 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-15-04

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-269W

JOB ORDER No. 04281076-03

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 COLUMN AND CONTROL 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)
2-CS-269W							
VALVE DISC	N/A	M&E 30-034029 ASP 16517	N/A	ASME SA351 GR CF8	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE DISC

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

INIT EF  
1/6/05

**FORM NIS-2 (Back)**  
**Job Order/File 04281076-03**

9. Remarks: \_

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

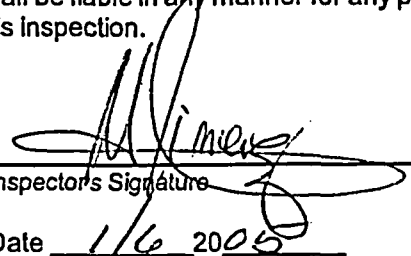
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date Nov. 19, 20 2004

**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 10/12/04 to 10/22/04, 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 308975  
 National Board, State, Province, and Endorsements

Date 1/6 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-19-04

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-369

JOB ORDER No. 03267031-01

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 COLUMN AND CONTROL 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)
2-CS-369							
VALVE BONNET		M&E 30-040530 ASP 28652	N/A	ASME SA351 GR CF8	N/A	REPLACED	NO
1/2" STUD	N/A	M&E 30-040599 ASP 28399	N/A	ASME SA453 GR 660 CL B	N/A	REPLACED	NO
1/2" NUTS	N/A	M&E 30-212070 ASP 22002	N/A	ASME SA194 GR 8FH	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE BONNET AND BOLTING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

56

INIT 1/7/05

FORM NIS-2 (Back)  
Job Order/File 03267031-01

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 DEC. 13, 2004

**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 4/27/04 to 11/9/04, 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 1/7 2005

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER

Date 10-19-04

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-CS-370

Name  
One Cook Place, Bridgman, MI 49106

JOB ORDER No. 03268007-01

Address

Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department

Type Code Symbol Stamp N/A

Name

Authorization No. N/A

One Cook Place, Bridgman, MI 49106

Expiration Date N/A

Address

4. Identification of System: CHEMICAL VOLUMN AND CONTROL

ISI CLASS 82 1/6/05

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)
2-CS-370							
VALVE BONNET		M&E 30-040530 ASP 29380	N/A	ASME SA351 GR CF8	N/A	REPLACED	NO
1/2" STUD	N/A	M&E 30-040599 ASP 29190	N/A	ASME SA453 GR 660	N/A	REPLACED	NO
1/2" NUTS	N/A	M&E 30-212070 ASP 22002	N/A	ASME SA194 GR 8FH	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE BONNET AND BOLTING

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

Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

58

INIT [Signature]  
12/30/04

FORM NIS-2 (Back)  
Job Order/File 03268007-01

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 Dwayne Timmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date Dec. 13, 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 4/27/04 to 11/29/04, 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 308975  
 National Board, State, Province, and Endorsements

Date 12/20 2004

**As Required by the Provisions of the ASME Code Section XI**

- | Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification  | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|-----------------------|------------|------------------------------------|-------------------------------|
| 2-CS-605          |                      |   |                    |                       |            |                                    |                               |
| VALVE             | ENERTECH             | M&E 30-038925<br>ASP 29376                      | N/A                | ASME SA 479<br>TP 316 | N/A        | REPLACED                           | NO                            |
| FLANGE            | N/A                  | M&E 30-022130<br>ASP 16299                      | N/A                | ASME SA 182<br>GR 304 | N/A        | REPLACED                           | NO                            |
| 5/8" NUT          | N/A                  | M&E 30-212090<br>ASP 28983                      | N/A                | ASME SA 193<br>GR 8F  | N/A        | REPLACED                           | NO                            |
| 5/8" ROD          | N/A                  | M&E 30-212290<br>ASP 28452                      | N/A                | ASME SA 453<br>GR 660 | N/A        | REPLACED                           | NO                            |

- 60

INIT



FORM NIS-2 (Back)  
Job Order/File 04028033-02


## 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 NONECertificate of Authorization No. N/A Expiration Date N/A

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

Date DEC 9, 2004

**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 8/20/04 to 11/5/04, 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 M 300975  
National Board, State, Province, and EndorsementsDate 1/10 2005

# 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 8-6-03

Sheet 1 of 2

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

Unit 2 Component 2-CTS-119E

JOB ORDER No. 03216002-01

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: CONTAINMENT SPRAY 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)
2-CTS-119E VALVE							
STEM	N/A	M&E 30-033600 ASP 16712	N/A	ASTM A564 TP360 H1150	N/A	REPLACED	NO
DISC MALE/FEMALE	N/A	M&E 30-033600 ASP 16712	N/A	ASME SA479 TP316	N/A	REPLACED	NO

7. Description of Work REPLACED DISC AND STEM

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

62

INTT 11/6/03

**FORM NIS-2 (Back)**  
**Job Order/File 03216002-01**

9. Remarks: \_

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_

\_\_\_\_\_


\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

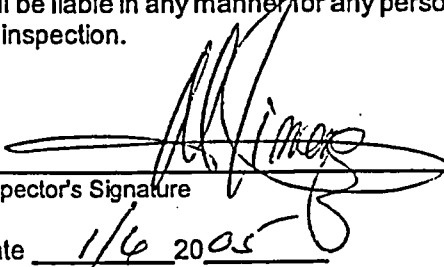
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date Dec. 7, 2004

**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 8/5/03 to 1/6/05, 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 UB6974 MI 300975  
 National Board, State, Province, and Endorsements

Date 1/6 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-27-04

Sheet 1 of 2

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

Unit 2 Component 2-DFI-411

JOB ORDER No. 03238025-01

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: GENERATOR BLOWDOWN 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)
2-DFI-411							
2" PIPE	N/A	M&E 30-016732 ASP 16393	N/A	ASME SA376 TP304	N/A	REPLACED	NO
2" ELBOW	N/A	M&E 30-016998 ASP 25415	N/A	ASME SA182 TP304	N/A	REPLACED	NO

7. Description of Work REPLACED PIPE AND FITTINGS IN AREA OF 2-DFI-411

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ PT, VT-2 Pressure N/A psi. Test Temp. N/A F

64

INIT 1/6/05

FORM NIS-2 (Back)  
**Job Order/File 03238025-01**

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

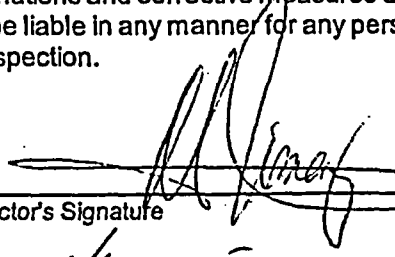
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date Dec. 8, 2004

**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 10/4/04 to 11/10/04, 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 NB6677 MI 302975

National Board, State, Province, and Endorsements

Date 1/6 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-16-04

Sheet 1 of 2

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

Unit 2 Component 2-DFI-421

JOB ORDER No. 03238025-02

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: GENERATOR BLOWDOWN 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)
2-DFI-421							
2" PIPE	N/A	M&E 30-016732 ASP 16393	N/A	ASME SA376 TP304	N/A	REPLACED	NO

7. Description of Work REPLACED PIPE IN AREA OF 2-DFI-421

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

66

INIT 16/10  
12/16/04

FORM NIS-2 (Back)  
Job Order/File 03238025-02

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 Dec, 8, 2004

**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 10/4/04 to 11/10/04, 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 NB6977 MI 300975  
 National Board, State, Province, and Endorsements

Date 12/11/2004

# 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 0 8-20-03

Sheet 1 of 2

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

Unit 2 Component 2-FW-118-4

JOB ORDER No. 03171066-15,17,22  
 Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: FEEDWATER ISI CLASS 2

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

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

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-FW-118-4							
VALVE BODY	N/A	EXISTING	N/A	ASTM A216 GR WCB	N/A	REPAIRED	NO
FILLER MATERIAL	N/A	M&E 00-035574 ASP 28001& 28007	N/A	E7018-A1	N/A	REPAIRED	NO
7/8" STUDS	N/A	M&E 00-034468 ASP 26173		ASME SA193 GR B7	N/A	REPLACED	NO
7/8" NUTS	N/A	M&E 30-211900 ASP 15684		ASME SA194 GR 2H	N/A	REPLACED	NO

7. Description of Work REPLACED COVER BOLTING, MACHINED SIDE COVERS, REPAIR WELDED BODY.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ VT-2, MT Pressure N/A psi. Test Temp. N/A F

68

*Handwritten signature and date: 1/12/05*



FORM NIS-2 (Back)  
**Job Order/File 03171066-15,17,22**

9. Remarks: \_

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

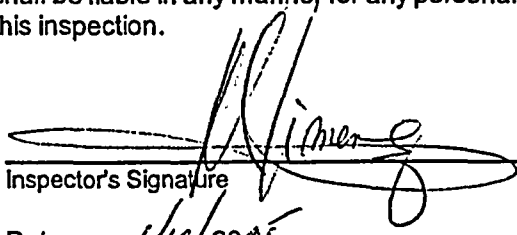
Signed  Maintenance Welding Supervisor  
 - Owner or Owner's Designee, Title

Date Jan, 20 05

**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 8/18/03 to 1/10/05, 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 300921  
 National Board, State, Province, and Endorsements

Date 1/10/2005

# 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 8-15-03

Sheet 1 of 2

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

Unit 2 Component 2-FW-118-4

JOB ORDER No. 03171066-02

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: FEEDWATER 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)
2-FW-118-4							
7/8" STUDS	N/A	M&E 30-034468 ASP 26173	N/A	ASTM SA193 GR B7	N/A	REPLACED	NO
7/8" NUT	N/A	M&E 30-211900 ASP 15684	N/A	ASTM SA 194 GR 2H	N/A	REPLACED	NO

7. Description of Work REPLACED BEARING COVER STUDS AND NUTS AND MACHINED EXISTING COVER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ PT, VT-2 Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
**Job Order/File 03171066-02**

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 Nov. 30, 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 8/17/03 to 12/16/04, 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 MI 808975

National Board, State, Province, and Endorsements

Date 12/16/2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-07-04

Sheet 1 of 2

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

Unit 2 Component 2-FW-132-1

JOB ORDER No. 03237006-05  
Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: FEEDWATER 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)
2-FW-132-1							
MACHINED BONNET		EXISTING				REPAIRED	

7. Description of Work MACHINED VALVE BONNET, MT SURFACE AREA

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

FORM NIS-2 (Back)  
**Job Order/File 03237006-05**

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 Dec. 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 10/6/04 to 10/6/04, 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 12/13 20 04

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-19-04

Sheet 1 of 2

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

Unit 2 Component 2-FW-132-2

JOB ORDER No. C0092918-01  
Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: FEEDWATER 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)
2-FW-132-2							
DISC	N/A	M&E 30-034386 ASP 16712	N/A	ASME SA675 GR 70	N/A	REPLACED	NO

7. Description of Work REPLACED DISC

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

INIT: 11/1  
12/21/04

FORM NIS-2 (Back)  
**Job Order/File C0092918-01**

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 Dec. 9, 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 6/16/04 to 10/19/04, 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 NB6977 MI 301975

National Board, State, Province, and Endorsements

Date 12/21 20 04

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER

Name

P.O. Box 60 Fort Wayne, IN 46801

Address

Date 10-16-04

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT

Name

One Cook Place, Bridgman, MI 49106

Address

Unit 2 Component 2-FW-132-2

JOB ORDER No. C0092918-04

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: FEEDWATER 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)
2-FW-132-2							
LUG MATERIAL	N/A	M&E 30-153150 ASP 23052	N/A	ASTM A36 1990	N/A	REPLACED	NO

7. Description of Work INSTALLED ANTI ROTATION LUGS

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

Other ☐ MT Pressure N/A psi. Test Temp. N/A F

INITIALS  
12/14/04



FORM NIS-2 (Back)  
**Job Order/File C0092918-04**

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

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

Date Nov. 30, 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 10/14/04 to 10/20/04, 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

NB6877 MI 300975  
 National Board, State, Province, and Endorsements

Date 12/14/04

# 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 08-20-03

Sheet 1 of 2

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

Unit 2 Component 2-FW-132-3

JOB ORDER No. 03225029-06

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: FEEDWATER 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)
2-FW-132-3							
BONNET	N/A	M&E 30-034343 ASP 19240	N/A	ASTM A675 GR 70	N/A	REPLACED	NO

7. Description of Work REPLACED BONNET

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
Job Order/File 003225029-06

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

Date Dec 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 8/24/03 to 12/13/04, 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 807975  
 National Board, State, Province, and Endorsements

Date 12/13 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-18-04

Sheet 1 of 2

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

Unit 2 Component 2-FW-132-3

JOB ORDER No. 03351050-01, 07, 08  
Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: FEEDWATER 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)
2-FW-132-3							
FILLER MATERIAL	N/A	M&E 30-045392 ASP 28942	N/A	ER-70S-2	N/A	REPAIRED	NO

7. Description of Work WELD REPAIR THE CHECK FLAPPER TO ALLOW CONTACT WITH BODY

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

INIT [Signature]  
12/28/04

FORM NIS-2 (Back)  
Job Order/File 03351050-01,07,08

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 Dec. 13, 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 7/8/04 to 12/20/04, 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 300975-  
 National Board, State, Province, and Endorsements

Date 12/20/04

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-14-04

Sheet 1 of 2

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

Unit 2 Component 2-FW-138-3

JOB ORDER No. R0214393-01  
 Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: FEEDWATER SYSTEM ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 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)
2-FW-138-3							
DISC	N/A	M&E 30-034386 ASP 28251	N/A	ASME SA675 GR 70	N/A	REPLACED	NO

7. Description of Work REPLACED DISC

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

INIT 1/10/11

FORM NIS-2 (Back)  
Job Order/File R0214393-01

9. Remarks: \_ Ref: PMI-5075 Section 4.20.3 for the deletion of the VT-2

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 Dwayne Jimmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date JAN 6, 20 05

**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 2/26/04 to 10/18/04, 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 NB6677 MI 300975

National Board, State, Province, and Endorsements

Date 1/10 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-17-04

Sheet 1 of 2

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

Unit 2 Component 2-FW-138-3

JOB ORDER No. C0092923-04

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: FEEDWATER 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)
2-FW-138-3							
LUG-MATERIAL	N/A	M&E 30-153150 ASP 23052	N/A	ASTM A36 1990	N/A	REPLACED	NO

7. Description of Work INSTALLED ANTI ROTATION LUGS

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

Other ☐ MT Pressure N/A psi. Test Temp. N/A F

INIT 11/18  
12/14/04



FORM NIS-2 (Back)  
**Job Order/File C0092923-04**

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

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

Date Nov. 29, 2004

**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 10/16/04 to 10/18/04, 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 NBQ977 MI300975  
 National Board, State, Province, and Endorsements

Date 12/14/2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-27-04

Sheet 1 of 2

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

Unit 2 Component 2-GBD-S563-U

JOB ORDER No. R0101350-01

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: GENERATOR BLOWDOWN ISICLASS 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-GBD-S563-U							
SNUBBER	GRINNELL	M&E # 30-024682 ASP # 26349	N/A	N/A	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

7. Description of Work REPLACED SNUBBER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F

86

INIT 12/10/04

FORM NIS-2 (Back)  
Job Order/File R0101350-01

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 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 Nov. 11, 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 9/14/04 to 10/30/04, 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]

Commission MB 6977, MI 368975  
 National Board, State, Province, and Endorsements

Date 12/10/2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-30-04

Sheet 1 of 2

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

Unit 2 Component 2-GRC-R-574

JOB ORDER No. 04288060-03

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 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)
2-GRC-R-574							

7. Description of Work REWORK SUPPORT TO CORRECT BEARING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ VT-3 Pressure N/A psi. Test Temp. N/A F

88

INIT 11/13/04  
12/13/04

FORM NIS-2 (Back)  
**Job Order/File 04288060-03**

9. Remarks: SUPPORT WAS ADJUSTED TO CORRECT GAP. NO PARTS REPLACED

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 Nov 30, 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 10/29/04 to 10/31/04, 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

NB6677 MI/300975  
 National Board, State, Province, and Endorsements

Date 12/13 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 11-03-04

Sheet 1 of 3

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

Unit 2 Component 2-GRC-S537

JOB ORDER No. R0226292-01

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 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-S537							
SNUBBER	GRINNELL	M&E 30-024681 ASP # 28228	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E 30-025055 ASP 16630	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
CONFIG "A" KIT	GRINNELL	M&E 30-040550 ASP 26117	N/A	N/A	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER AND BRACKET/BOLTING

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

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

90

INIT AS  
12/22/04

# 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 11-03-04  
     Name  
     P.O. Box 60 Fort Wayne, IN 46801 Sheet 2 of 3  
     Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 2-GRC-S537  
     Name  
     One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0226292-01  
     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-S537							
SNUBBER	GRINNELL	M&E 30-024681 ASP # 28228	N/A	N/A	N/A	Replacement	NO
BOLTING HARDWARE	GRINNELL	M&E 30-046921 ASP # 29600	N/A	ASTM A307 GR A	N/A	Replacement	NO
BRACKET	GRINNELL	M&E 00-038314 ASP # 29624	N/A	N/A	N/A	Replacement	NO

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

91

INIT 11/10  
12/23/04

FORM NIS-2 (Back)  
Job Order/File R0226292-01

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 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 Dec. 16, 2004

**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 10/27/04 to 11/3/04, 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 NB6977 MI 300975  
 National Board, State, Province, and Endorsements

Date 12/23 2000



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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-29-04

Sheet 1 of 2

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

Unit 2 Component 2-GRC-S564

JOB ORDER No. R0012538-01  
 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 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-S564							
SNUBBER	GRINNELL	M&E 30-024681 ASP # 29340	N/A	N/A	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

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F

93

INIT [Signature]  
 12/21/04

FORM NIS-2 (Back)  
Job Order/File R0012538-01

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 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 DEC. 15, 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 10/27/00 to 10/29/00, 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 36917 MI 300975  
 National Board, State, Province, and Endorsements

Date 12/21/2000

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

As Required by the Provisions of the ASME Code Section XI

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

Date 11-03-04

Sheet 1 of 2

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

Unit 2 Component 2-GRC-S566

JOB ORDER No. R0014603-01  
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 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-S566							
SNUBBER	GRINNELL	M&E 30-024681 ASP # 28228	N/A	N/A	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 28096	N/A	N/A	N/A	Replacement	NO
CONFIG "A" KIT	GRINNELL	M&E 30-040550 ASP 26117	N/A	N/A	N/A	Replacement	NO

7. Description of Work REPLACED SNUBBER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☒ VT-3 Pressure N/A psi. Test Temp. N/A F

95

INIT [Signature]  
12/21/04

FORM NIS-2 (Back)  
Job Order/File R0014603-01

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 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 Dec. 15, 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 10/27/04 to 11/3/04, 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

111 300975  
 National Board, State, Province, and Endorsements

Date 12/21 2004

# 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 7-10-03

Sheet 1 of 2

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

Unit 2 Component 2-GRH-R810

JOB ORDER No. 02127061-01

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL 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)
2-GRH-R810							
2x2x1/4" ANGLE	N/A	M&E 30-153012 ASP 25383	N/A	ASTM A36 1990	N/A	REPLACED	NO
3x3x1/4" TUBE STEEL	N/A	M&E 30-150169 ASP 22500	N/A	ASTM A500 1990	N/A	REPLACED	NO
5x5x1/2" PLATE	N/A	M&E 30-153193 ASP 24581	N/A	ASTM A36 1990	N/A	REPLACED	NO
4x4x1/4" TUBE STEEL	N/A	M&E 30-153269 ASP 22141	N/A	ASTM A500 1990	N/A	REPLACED	NO
1/2"x3/4"x7" PLATE	N/A	M&E 30-153251 ASP 15485	N/A	ASTM A36 1990	N/A	REPLACED	NO

7. Description of Work REPLACED SUPPORT

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ PT, MT, VT-3 Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
Job Order/File 02127061-01

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

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

Date Dec 1, 2009

**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 6/18/03 to 7/17/03, 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 NBC977 / MICA 300975  
 National Board, State, Province, and Endorsements

Date DEC. 3 2009

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

As Required by the Provisions of the ASME Code Section XI

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

Date 11-18-04

Sheet 1 of 2

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

Unit 2 Component 2-GRH-R-817

JOB ORDER No. 04289031-01

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL 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)
2-GRH-R-817							
3/4" HILTI BOLTS	N/A	M&E 30-046279 ASP 22430	N/A	N/A	N/A	REPLACED	NO
3" C-CHANNEL	N/A	M&E 30-153105 ASP 27448	N/A	ASTM A36 1990	N/A	REPLACED	NO
1/2" NUT	N/A	M&E 30-211860 ASP 27689	N/A	ASME SA194 GR 2H	N/A	REPLACED	NO
3"x 1/2" FLAT BAR	N/A	M&E 30-153129 ASP 24535	N/A	ASTM A36 1990	N/A	REPLACED	NO
6"x 1/2" FLAT BAR	N/A	M&E 30-153149 ASP 23198	N/A	ASTM A36 1990	N/A	REPLACED	NO
1/2" THREADED ROD	N/A	M&E 30-211590 ASP 27689	N/A	ASME SA193 GR B7	N/A	REPLACED	NO

7. Description of Work REPLACED PIPE SUPPORT

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

*[Signature]*

FORM NIS-2 (Back)  
Job Order/File 04289031-01

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

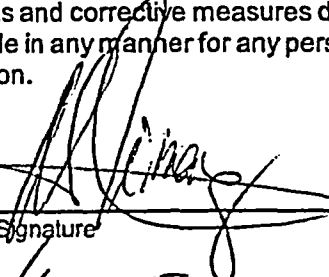
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date DEC 3, 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 11/9/04 to 11/23/04, 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 COM MI 200975

National Board, State, Province, and Endorsements

Date 1/6 2005

100



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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-14-04

Sheet 1 of 2

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

Unit 2 Component 2-ICM-321

JOB ORDER No. 02038052-03

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL 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)
2-ICM-321							
VALVE BONNETT	N/A	M&E 30-043782 ASP 27872	N/A	ASME SA182 F316 STELLITE 6	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE BONNETT

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

INIT   
1/10/05

101

FORM NIS-2 (Back)  
**Job Order/File 02038052-03**

9. Remarks: \_REF: ESAT # 04344050. VT-2 CANNOT BE PERFORMED UNTIL QUARTERLY RHR PUMP RUN.

Applicable Manufacturer's Data Reports to be attached

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\_\_\_\_\_


\_\_\_\_\_

**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

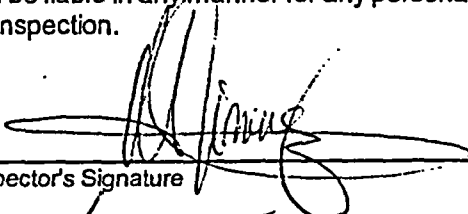
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date JAN 7, 20 05

**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 11/19/02 to 12/14/04, 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 NBBM MI 300071  
 National Board, State, Province, and Endorsements

Date 1/10 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-15-04

Sheet 1 of 2

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

Unit 2 Component 2-ICM-321

JOB ORDER No. 02220023-06  
 Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: RESIDUAL HEAT REMOVAL SI 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)
2-ICM-321							
1/8" WELD FILLER MATERIAL	N/A	M&E 30-045045 ASP 28338	N/A	ER 309	N/A	REPAIRED	NO

7. Description of Work TACK WELDED BONNET

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 Other ☐ VT-WELD ONLY Pressure N/A psi. Test Temp. N/A F

103

INIT AB  
12/3/04

FORM NIS-2 (Back)  
**Job Order/File 02220023-06**

9. Remarks: \_

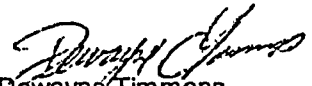
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

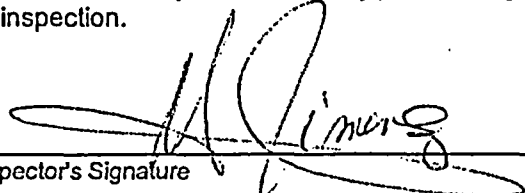
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date Nov. 30, 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 10/12/04 to 10/15/04, 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 302925

National Board, State, Province, and Endorsements

Date 12/3/2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-27-04Sheet 1 of 2

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

Unit 2 Component 2-ILA-121-V1

JOB ORDER No. 04276008-01  
Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: EMERGENCY CORE COOLING SYSTEM ISI CLASS 25. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. Code Case N416-1(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-ILA-121-V1							
VALVE	CONVAL	M&E 30-035209 ASP 14314	N/A	ASME SA182 GR F316	N/A	REPLACED	NO
2" PIPE	N/A	M&E 30-016711 ASP 25312		ASME SA312 TP 304	N/A	REPLACED	NO
2" X 1" INSERT	N/A	M&E 30-017027 ASP 498		ASME SA182 GR 304	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE, PIPE AND INSERT

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ PT, VT-2 Pressure N/A psi. Test Temp. N/A F

INIT 11/16/05

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**FORM NIS-2 (Back)**  
**Job Order/File 04276008-01**

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 Dwayne Timmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date JAN 5, 20 05  
 15:50 PT  
 DK

**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 10/14/04 to 11/9/04, 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 306975  
 National Board, State, Province, and Endorsements

Date 1/6 2005

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER

Name

P.O. Box 60 Fort Wayne, IN 46801

Address

Date 11-02-04

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT

Name

One Cook Place, Bridgman, MI 49106

Address

Unit 2 Component 2-ILA-202

JOB ORDER No. 03316029-08

Repair Org. P.O. No., Job No., etc

3. Work Performed by AEP/D.C. COOK Maint. Department

Name

One Cook Place, Bridgman, MI 49106

Address

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: CONTAINMENT SPRAY 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)
2-ILA-202							
5/8" BOLTS	N/A	M&E 30-04729 ASP 18869	N/A	ASME SA453 GR 660	N/A	REPLACED	NO
5/8" NUTS	N/A	M&E 30-212090 ASP 28340	N/A	ASME SA194 GR 8F	N/A	REPLACED	NO

7. Description of Work REPLACED BOLTING

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

Other ☐ Pressure N/A psi. Test Temp. N/A F

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INIT AB  
11/10/04

FORM NIS-2 (Back)  
**Job Order/File 03316029-08**

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 Dec. 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 1/29/04 to 12/10/04, 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 30775  
 National Board, State, Province, and Endorsements

Date 12/10 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 11-03-04

Sheet 1 of 2

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

Unit 2 Component 2-IMO-390

JOB ORDER No. 04307059-01, 02  
 Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: RESIDUAL HEAT REMOVAL 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)
2-IMO-390							
VALVE	VOGT	M&E 30-044238 ASP 14038	N/A	ASME SA182 GR F316	N/A	REPLACED	NO
2" X 1" INSERT	N/A	M&E 30-017027 ASP 597	N/A	ASME SA182 GR 304	N/A	REPLACED	NO
2" SOCK-O-LET	N/A	M&E 30-017099 ASP 12852	N/A	ASME SA182 GR F304	N/A	REPLACED	NO
1" PIPE	N/A	M&E 30-016729 ASP 27009	N/A	ASME SA312 GR TP304	N/A	REPLACED	NO

7. Description of Work ADDED VENT LINE TO RHR SYSTEM

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ PT, VT-2 Pressure N/A psi. Test Temp. N/A F

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INIT HB  
1/10/05

FORM NIS-2 (Back)  
Job Order/File 04307059-01, 02

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

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

Date JAN 6, 20 05

**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 11/13/04 to 11/12/04, 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 300975  
National Board, State, Province, and EndorsementsDate 1/10 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-17-04

Sheet 1 of 2

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

Unit 2 Component 2-IRV-310

JOB ORDER No. 03339023-01

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL 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, PQ)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-IRV-310							
VALVE	N/A	M&E 00-036753 ASP 29382	N/A	ASME SA351 GR CF8M	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE

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

Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

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INITIALS  
10/15/05

FORM NIS-2 (Back)  
Job Order/File 03339023-01

9. Remarks: REF: PO # 000031389

Applicable Manufacturer's Data Reports to be attached

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**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

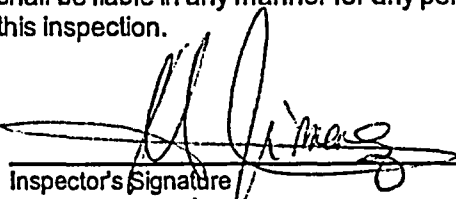
Signed  Dewayne Timmons Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date JAN 4, 20 05

**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 6/4/04 to 11/4/04, 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 300975  
 National Board, State, Province, and Endorsements

Date 1/5/2005

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER

Date 10-17-04

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-IRV-311

Name

One Cook Place, Bridgman, MI 49106

Address

JOB ORDER No. 03339023-05

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 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)
2-IRV-311							
VALVE	N/A	M&E 00-036754 ASP 29382	N/A	ASME SA351 GR CF8M	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE

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

Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

INIT

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*[Signature]*  
10/17/04

FORM NIS-2 (Back)  
Job Order/File 03339023-05

9. Remarks: REF: PO # 000031389

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 JAN 4, 20 05

**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 6/14/05 to 11/2/05, 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 NB6977 MI 30097  
 National Board, State, Province, and Endorsements

Date 1/5 20 05

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-17-04

Sheet 1 of 2

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

Unit 2 Component 2-IRV-320

JOB ORDER No. 03339023-09

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: RESIDUAL HEAT REMOVAL 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)
2-IRV-320							
VALVE	N/A	M&E 00-036753 ASP 29382	N/A	ASME SA351 GR CF8M	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE

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

Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

INIT HP  
10/17/04

115

FORM NIS-2 (Back)  
Job Order/File 03339023-09

9. Remarks: REF: PO # 000031389


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

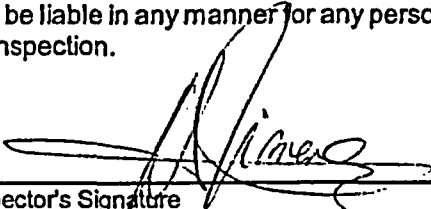
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date JAN 4, 20 05

**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 6/7/05 to 11/4/05, 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 NBC 977 MI 302975  
 National Board, State, Province, and Endorsements

Date 1/5/2005



# 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 11-2-04  
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-MRV-210  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0250848-01&2  
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
Name Authorization No. N/A  
One Cook Place, Bridgman, MI 49106 Expiration Date N/A  
Address
4. Identification of System: MAIN STEAM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. Code Case N416-1  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-MRV-210							
2-3/4" STUD	N/A	M&E 30-034460 ASP 15263	N/A	ASME SA193 GR B7	N/A	REPLACED	NO
DISC	N/A	M&E 30-034382 ASP 16513	N/A	ASME SA105	N/A	REPLACED	NO
2-3/4" NUT	N/A	M&E 30-034422 ASP 15263	N/A	ASME SA194 GR 7	N/A	REPLACED	NO
3" STEP STUD	N/A	M&E 30-034316 ASP 29517	N/A	ASME SA193 GR B7		REPLACED	NO
FILLER MATERIAL	N/A	M&E 30-045392 ASP 28160 & 29426	N/A	ER 70S-2		REPLACED	NO

7. Description of Work REPLACED DISC AND BOLTING. REWELDED VENT PIPING
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ PT, MT, RT, VT-2 Pressure N/A psi. Test Temp. N/A F

117

INIT 11/11

FORM NIS-2 (Back)  
Job Order/File R0250848-01

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 JAN 3, 20 05

**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 10/21/04 to 11/09/04, 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 800975  
 National Board, State, Province, and Endorsements

Date 1/11 20 05

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10/13/04

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-241

JOB ORDER No. 04047056-01  
Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: CONTAINMENT SPRAY 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)
2-MRV-241 VALVE							
PLUG	N/A	M&E 30-688864 ASP 28198	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
STEM	N/A	M&E 30-688864 ASP 28198	N/A	ASTM A484 TP 416	N/A	REPLACED	NO

7. Description of Work REPLACED PLUG/STEM ASSEMBLY AND SEAT

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

INIT 11/16/05

FORM NIS-2 (Back)  
Job Order/File 04047056-01

9. Remarks: \_

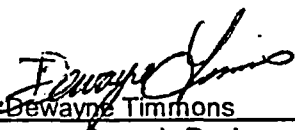
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

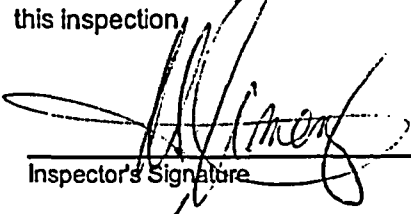
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date Dec. 7, 2004

**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 4/26/04 to 10/29/04, 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 1/6 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-21-04

Sheet 1 of 2

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

Unit 2 Component 2-MS-135-1

JOB ORDER No. 04277047-01  
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: STEAM GENERATOR CONDENSATE ISI CLASS 2

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

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

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-MS 135-1							
VALVE	N/A	M&E 30-044248 ASP 19582	N/A	ASME SA105	N/A	REPLACED	NO
PIPE	N/A	M&E 30-014981 ASP 25237	N/A	ASME SA106 GR B	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE AND PIPING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ PT, VT-2 Pressure N/A psi. Test Temp. N/A F

121

INIT [Signature]  
12/8/04

FORM NIS-2 (Back)  
**Job Order/File 04277047-01**

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 Dec 1, 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 10/7/04 to 11/9/04, 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 12/8/2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-05-04

Sheet 1 of 2

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

Unit 2 Component 2-OME 3-1

JOB ORDER No. 04090049-03

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 ISI CLASS 2

5. (a) Applicable Const. Code ASME III CLASS 1 NB 1989 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)
2-OME 3-1							
BOLTING	N/A	M&E 30-009778 ASP 23749	N/A	ASME SA193 GR B7	N/A	REPLACED	NO
MANWAY COVER	N/A	M&E 30-009785 ASP 24577	N/A	ASME SA 516 GR 70	N/A	REPLACED	NO

7. Description of Work REPLACED BOLTING AND MANWAY COVER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-1, VT-2 Pressure N/A psi. Test Temp. N/A F

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INIT   
10/5/04

FORM NIS-2 (Back)  
**Job Order/File 04090049-03**

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

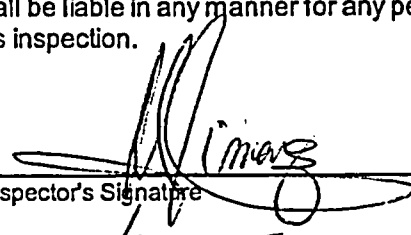
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date Nov 29, 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 4/1/04 to 10/15/04, 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 NBC977 MI 302975  
 National Board, State, Province, and Endorsements

Date 1/6 2005



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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-19-04

Sheet 1 of 2

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

Unit 2 Component 2-OME-3-4

JOB ORDER No. R0252183-01  
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 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)
2-OME 3-4							
STUD	WESTINGHOUSE	M&E 30-011975 ASP 15386	N/A	ASME SA193 GR B7	N/A	REPLACED	NO

7. Description of Work REPLACE STUDS

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ VT-1 Pressure N/A psi. Test Temp. N/A F

125

INIT AS  
11/10/05

FORM NIS-2 (Back)  
**Job Order/File R0252183-01**

9. Remarks: REF: 04029029-05 for the Requisition of the Studs.

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 Jan 6, 20 05

**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 10/16/04 to 10/19/04, 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

1/10 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-16-04

Sheet 1 of 2

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

Unit 2 Component 2-PP-50W

JOB ORDER No. 04276040-14  
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 VOLUMN AND CONTROL ISI CLASS 2

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2-PP-50W							
PUMP	PACIFIC PUMP	M&E 30-014849 ASP 29428	N/A		N/A	REPLACED	NO

7. Description of Work REPLACED PUMP

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

127

INIT [Signature]  
12/23/04

FORM NIS-2 (Back)  
Job Order/File 04276040-14

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 DEC 17, 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

Report during the period 10/2/04 to 12/16/04 have inspected the components described in this Owner's Report 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 6877 MI 302,975  
 National Board, State, Province, and Endorsements

Date 12/23 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-15-04

Sheet 1 of 2

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

Unit 2 Component 2-PP-50W

JOB ORDER No. 04276040-22

Repair Org. P.O. No., Job No., etc

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: CHEMICAL VOLUMN AND CONTROL 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)
2-PP-50W							
3/32" WELD FILLER MATERIAL	N/A	M&E 30-045073 ASP 1179	N/A	ER 316	N/A	REPLACED	NO
1/8" WELD FILLER MATERIAL	N/A	M&E 30-045075 ASP 19713	N/A	ER 316	N/A	REPLACED	NO

7. Description of Work CUT PIPE AND RE-WELDED

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2, PT, RT Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
**Job Order/File 04276040-22**

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 Nov 30, 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 10/11/04 to 12/16/04, 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 307975

National Board, State, Province, and Endorsements

Date 12/16 20 04

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER

Date 10-22-04

Name

P.O. Box 60 Fort Wayne, IN 46801

Address

Sheet 1 of 4

2. Plant D.C. COOK NUCLEAR POWER PLANT

Unit 2 Component 2-PP-50W

Name

One Cook Place, Bridgman, MI 49106

Address

JOB ORDER No. 04281076-01,02,03

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: CHEMICAL COLUMN AND CONTROL 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)
2-PP-50W							
6" PIPE FLANGE	N/A	M&E 30-022132 ASP 7544	N/A	ASME SA182 GR F304	N/A	REPLACED	NO
6" PIPE ELBOW	N/A	M&E 30-017841 ASP 28500	N/A	ASME SA 403 GR 304	N/A	REPLACED	NO
6" PIPE	N/A	M&E 30-016780 ASP 15529	N/A	ASME SA 376 TP 304	N/A	REPLACED	NO
6" VALVE	N/A	M&E 30-033965 ASP 16517	N/A	ASME SA351 GR CF8	N/A	REPLACED	NO

7. Description of Work REPLACED PIPE, FITTINGS AND BOLTING

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

Other ☐ PT, RT, VT-2 Pressure N/A psi. Test Temp. N/A F

INIT

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11/1/05

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-22-04

Sheet 2 of 4

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

Unit 2 Component 2-PP-50W

JOB ORDER No. 04281076-01,02,03  
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 VOLUMN AND CONTROL 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)
2-PP-50W							
3/4" BOLT	N/A	M&E 30-047136 ASP 13679	N/A	ASME SA453 GR 660	N/A	REPLACED	NO
3/4" NUT	N/A	M&E 30-212100 ASP 26923	N/A	ASME SA 194 GR 8F	N/A	REPLACED	NO

7. Description of Work REPLACED PIPE, FITTINGS AND BOLTING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ PT, RT, VT-2 Pressure N/A psi. Test Temp. N/A F

INIT

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-22-04  
Sheet 3 of 4

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

Unit 2 Component 2-PP-50W  
JOB ORDER No. 04281076-01,02,03  
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 VOLUMN AND CONTROL 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)
2-PP-50W							
VALVE DISC 2-CS-269W	N/A	M&E 30-034029 ASP 21943	N/A	ASME SA351 GR CF8	N/A	REPLACED	NO
STEEL FLAR BAR	N/A	M&E 30-153129 ASP 24535	N/A	ASTM A36 1990	N/A	REPLACED	NO

7. Description of Work REPLACED SHIM, PIPE, FITTINGS, AND BOLTING

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ RT, PT, VT-2 Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)  
**Job Order/File 04281076-01**

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

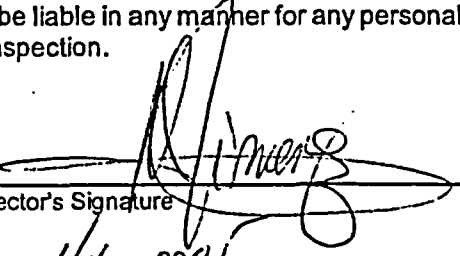
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Welding Supervisor Date JAN 7, 20 05  
 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 10/12/04 to 10/23/04, 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 300975  
 Date 1/11 2005 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 10-26-04

Sheet 1 of 2

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

Unit 2 Component 2-PW-275

JOB ORDER No. 03162051-01

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: PRIMARY WATER 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)
2-PW-275							
VALVE	N/A	M&E 30-041824 ASP 29293	N/A	ASTM A351 GR CF8	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE

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

Other ☐ VT-2, PT, RT N/A Pressure N/A psi. Test Temp. N/A F

135

INIT [Signature]  
1/6/05

FORM NIS-2 (Back)  
Job Order/File 03162051-01

9. Remarks: \_

Applicable Manufacturer's Data Reports to be attached

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**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 DEC. 3, 2004

**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 2/1/04 to 10/30/04, 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 NB6977 MI 300925  
 National Board, State, Province, and Endorsements

Date 1/6 2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-17-04

Sheet 1 of 2

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

Unit 2 Component 2-SV-45A

JOB ORDER No. R0246683-05  
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 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)
2-SV-45A VALVE	ASME SA350 GR CF8M	CROSBY		M&E 30-036392 ASP 29383  S/N N56499-01-0009	1974	REPLACED	YES

7. Description of Work Replace Pressurizer Safety Valve.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-2, VT-3 Pressure N/A psi. Test Temp. N/A F

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INIT [Signature]  
12/7/04

FORM NIS-2 (Back)  
**Job Order/File R0246683-05**

9. Remarks: . VT-2 Exam was performed under JOA R246859-01

Applicable Manufacturer's Data Reports to be attached

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**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

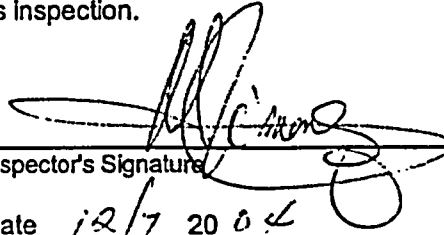
Signed  Dewayne Timmons Maintenance Welding Supervisor  
 - Owner or Owner's Designee, Title

Date Nov. 19, 2004

**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 10/20/04 to 11/9/04, 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 12/7 2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-17-04

Sheet 1 of 2

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

Unit 2 Component 2-SV-45B

JOB ORDER No. R0255732-06

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: RCS 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)
2-SV-45B VALVE	CROSBY	M&E 30-036392 ASP 29383  S/N N56499-00-0007	N/A	ASME SA350 GR CF8M	1974	REPLACED	YES

7. Description of Work Replace Pressurizer Safety Valve.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ VT-3, VT-2 Pressure N/A psi. Test Temp. N/A F

139

INIT HL  
1/6/04

FORM NIS-2 (Back)  
**Job Order/File R0255732-06**

9. Remarks: VT-2 Exam was performed under JOA R246859-01

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 Dec 14, 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 10/26/00 to 11/9/04, 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 NB6977 MI 300975  
 National Board, State, Province, and Endorsements

Date 2/6 20 05



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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER

Date 10-17-04

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-45C

Name

One Cook Place, Bridgman, MI 49106

Address

JOB ORDER No. R0255731-05

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: RCS 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)
2-SV-45C VALVE	ASME SA350 GR CF8M	CROSBY		M&E 30-036392 ASP 29383  S/N N56499-00-0001	1974	REPLACED	YES
1" NUT	ASME SA 194 GR8F	N/A		M&E 30-212120 ASP 22655	N/A	REPLACED	

7. Description of Work Replace Pressurizer Safety Valve.

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

Other ☐ VT-1, VT-3, VT-2 Pressure N/A psi. Test Temp. N/A F

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INIT TS  
10/17/04

FORM NIS-2 (Back)  
**Job Order/File R0255731-05**


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

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

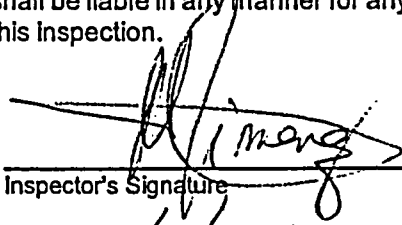
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Welding Supervisor Date 11-11-, 2004  
 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 10/26/04 to 11/9/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

 Commissions NB6977 MICH 300974  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 12/7/2004

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-20-04

Sheet 1 of 2

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

Unit 2 Component 2-SV-51

JOB ORDER No. 04118056-01

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 VOLUMN AND CONTROL 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)
2-SV-51							
VALVE	N/A	M&E 30-036382 ASP 14812	N/A	ASME SA351 GR CF8M	N/A	REPLACED	NO
5/8" STUD MATERIAL	N/A	M&E 30-212290 ASP 28452	N/A	ASME SA453, GR 660 CLB	N/A	REPLACED	NO
5/8" NUT	N/A	M&E 30-212090 ASP 28983	N/A	ASME SA194 GR 8F	N/A	REPLACED	NO

7. Description of Work REPLACED VALVE AND BOLTING

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

Other ☐ VT-2 Pressure N/A psi. Test Temp. N/A F

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*Handwritten signature/initials*

FORM NIS-2 (Back)  
Job Order/File 04118056-01

9. Remarks: \_


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

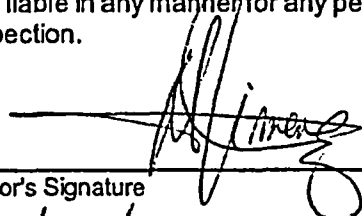
Signed  Maintenance Welding Supervisor  
 Owner or Owner's Designee, Title

Date JAN 7, 20 05

**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 5/3/04 to 11/09/04, 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 6974 MI 308975  
 National Board, State, Province, and Endorsements

Date 1/10/2005

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

As Required by the Provisions of the ASME Code Section XI

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

Date 10-22-04

Sheet 1 of 2

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

Unit 2 Component 2-TK-86

JOB ORDER No. R0230508-03  
Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: RESIDUAL HEAT REMOVAL 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)
2-TK-86							
STUDS	N/A	M&E 30-049301 ASP 29005	N/A	ASME SA193 GR B7	N/A	REPLACED	NO
NUTS	N/A	M&E 30-211880 ASP 28821	N/A	ASME SA194 GR 2H	N/A	REPLACED	NO
WASHERS	N/A	M&E 30-212690 ASP 26932	N/A	ASTM F436-93	N/A	REPLACED	NO

7. Description of Work REPLACED MANWAY BOLTING

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

145

INIT ASD  
12/28/04

FORM NIS-2 (Back)  
**Job Order/File R0230508-03**

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 DEC. 17, 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 10/6/04 to 10/22/04, 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

NB6974 MI 304975  
 National Board, State, Province, and Endorsements

Date 12/28 2000