

Indiana Michigan
Power Company
500 Circle Drive
Buchanan, MI 49107 1373



February 19, 2004

AEP:NRC:4055
10 CFR 50.55a

Docket No.: 50-315

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

Donald C. Cook Nuclear Plant Unit 1
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 1, State of Michigan, National Board Number 1-20761 (Mich. M-096762-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 August 23, 1975, and the Authorized Code Inspector is Mr. T. A. Hines, 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. Michael K. Scarpello, Supervisor of Nuclear Licensing, at (269) 697-5020.

Sincerely,

A handwritten signature in black ink, appearing to read 'JAZ', written over a horizontal line.

John A. Zwolinski
Director of Design Engineering and Regulatory Affairs

Attachment: Summary Report for the Donald C. Cook Nuclear Plant, Unit 1,
Unit 1, Cycle 19, 2003 Refueling Outage.

RV/rdw

AOL17

c: R. Aben, DLEG/BCCFS/BD
J. L. Caldwell, NRC Region III
K. D. Curry, Ft. Wayne AEP, w/o attachment
J. T. King, MPSC, w/o attachment
MDEQ – WHMD/HWRPS, w/o attachment
NRC Resident Inspector
J. F. Stang, Jr., NRC Washington, DC

Attachment to AEP:NRC:4055

Summary Report for the Donald C. Cook Nuclear Plant, Unit 1

Unit 1, Cycle 19
2003 Refueling Outage.

SUMMARY REPORT
FOR THE
DONALD C. COOK NUCLEAR PLANT
UNIT 1

Unit 1 Cycle 19
2003 REFUELING OUTAGE

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1,
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

Report for Inspection Period
From June 10, 2002 to November 26, 2003

February 9, 2004

Prepared by:  Date: 2/11/2004
Roy E. Hall
ISI Program Owner

Reviewed by:  Date: 2/11/04
Jim Fitchuk
IWE/L and Snubber Program Owner

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

Report of Inservice Inspections
From June 10, 2002 to November 26, 2003

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INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1,
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

SECTION 1

INTRODUCTION

This report summarizes the Inservice Inspection activities performed at the Donald C. Cook Nuclear Plant, Unit 1, for the period June 10, 2002 to November 26, 2003. This report addresses examinations and activities associated with the Third Ten-Year Interval's Third Outage of the First Inspection Period, Unit 1 Cycle 19 Refueling Outage. This inspection completes the examinations required for the First Inspection Period of the Third Ten-Year Interval for Unit 1. 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. The Third Ten-Year Inspection Interval began July 1, 1996 and continues through February 28, 2010. The applicable code of record for ISI activities is ASME Code Section XI, 1989 Edition (No Addenda) and 1992 Edition, 1992 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 (for Class 1 and 2 Components) are also included in this report per the requirements of the 1989 Edition (No Addenda) and the 1992 Edition, 1992 Addenda of ASME Code 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 1
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

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 (A wholly owned subsidiary of American Electric Power)
(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: One
4. Owner Certification of Authorization (if required): N/A
5. Commercial Service Date: 08/23/75
6. National Board Number for Unit: 1-20761 (Mich. M-096762-M)

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial Number	State or Province Number	National Board Number
Reactor Vessel 1-OME-1	Combustion Engineering	CE 66105	M 96762 M	1-20761
Steam Generator OME-3-4	Babcock & Wilcox / Westinghouse	7803-03 / 1124	M 96767 M	194 / 6834
Pressurizer 1-OME-4	Westinghouse	1131	M96763 M	6849
Reactor Coolant Pumps PP-45-1, -2, -3, -4	Westinghouse	618J881	---	---
Component Supports	Grinnell	Enclosed List		

NOTE: S/G's are a composite-original by Westinghouse

8. Examination Dates: June 10, 2002 to November 26, 2003
9. Inspection Period Identification: First
10. Inspection Interval Identification: Third
11. Applicable Edition of Section XI 1989 (No Addenda) & 1992 Addenda 1992
12. Date/Revision of Inspection Plan: 7/96 Rev. 0
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: February 9, 2004 Signed: Indiana Michigan Power Co By: [Signature]
Owner (Wholly Owned Subsidiary of AEP) [Signature]

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 ~~June 10, 2002~~ 4/23/03 to November 26, 2003, 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 Michigan 300471, Endorsements: N & I
Inspector's Signature National Board, State, Province, and Endorsements

Date 10 Feb 2004

UNIT 1 CYCLE 19 REFUELING OUTAGE NIS-1 LIST OF COMPONENTS

Summary No	Component ID	Exam Category	Item	Method	Procedure	WO#	Comments
005900	1-RPV-STUD 1 THROUGH 54	B-G-1	B6.30	UT	54-ISI-840- 02	02248036-04	No Relevant Indications
006000	1-RPV-NUT 1 THROUGH 54	B-G-1	B6.10	VT	54-ISI-366- 06	02248036-03	No Relevant Indications
006200	1-RPV- WASHER 1 THROUGH 54	B-G-1	B6.50	VT	54-ISI-366- 06	02248036-03	No Relevant Indications
007800	1-RPV- INTERIOR	B-N-1	B13.10	VT	54-ISI-364- 00	02248036-06	No Relevant Indications
224200	SV-45-A	B-G-2	B7.70	VT	12-QHP- 5050-NDE- 006	R0231375	No Rejectable Degradation
234400	IMO-315	B-M-2	B12.50	VT	12-QHP- 5050-NDE- 006	3304007	No Rejectable Degradation
P000100	RPV-RFO	B-P	B15.10	VT	12-QHP- 5070-NDE- 001	R0231394	No Rejectable Degradation
P000101	PRZ-RFO	B-P	B15.20	VT	12-QHP- 5070-NDE- 001	R0231394	No Rejectable Degradation
P001002	SG-RFO	B-P	B15.30	VT	12-QHP- 5070-NDE- 001	R0231394	No Rejectable Degradation
P00103	PIP-RFO	B-P	B15.50	VT	12-QHP- 5070-NDE- 001	R0231394	No Rejectable Degradation

Summary No	Component ID	Exam Category	Item	Method	Procedure	WO#	Comments
P00104	PMP-RFO	B-P	B15.60	VT	12-QHP-5070-NDE-001	R0231394	No Rejectable Degradation
P00105	VLV-RFO	B-P	B15.70	VT	12-QHP-5070-NDE-001	R0231394	No Rejectable Degradation
P00106	DEPR-RFO	B-P	B15.XX	VT	12-QHP-5070-NDE-001	R0231394	No Rejectable Degradation

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

SECTION 3

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

Inservice examinations were performed during the period June 10, 2002 to November 26, 2003. This report addresses examinations and activities associated with the Third Ten-Year Interval's Third Outage of the First Inspection Period, Unit 1 Cycle 19 Refueling Outage. All examinations were in accordance with the ASME Code Section XI 1989 Edition (No Addenda) and 1992 Edition, 1992 Addenda as applicable.

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

The scope of examinations also included the examination of the Unit 1 Reactor Pressure Vessel for evidence of Primary Water Stress Corrosion Cracking (PWSCC). The examinations for PWSCC were performed and documented in response to NRC Bulletin 2001-01. All 78 Vessel Head Penetrations and the Head vent were examined using a combination of ultrasonic, surface, eddy current and visual techniques. No evidence of PWSCC was observed.

System pressure tests did not reveal any degradation of the system pressure boundary. Reactor Coolant Pumps #11, 12, 13 and 14 showed evidence of corrosion during the depressurized walk down. As a conservative measure, at least one bolt was pulled from each flange of each pump and VT-1 examined for rejectable degradation. No rejectable degradation was observed on any of the bolting. To address leakage at the main flange on pump #12, all the bolting was removed and retensioned by Westinghouse personnel. Additionally, all the bolting for #11, 13 and 14 were also removed and retensioned by Westinghouse personnel.

In response to leakage identified at safe end to piping welds on the Pressurizer at Tsuruga Unit 2 in Japan, insulation was removed at all the nozzle to safe end welds on top of the Pressurizer and VT-2 examined. No leakage was observed.

There was no evidence of degradation observed in the Steam Generator Eddy Current examinations.

Nondestructive ISI examinations were performed by Framatome and Indiana Michigan Power (IMP) personnel in accordance with procedures approved for use at Cook Nuclear Plant. Primary Water Stress Corrosion Cracking (PWSCC) examinations were performed by Framatome and Indiana Michigan Power (IMP) personnel in accordance with procedures approved for use at Cook Nuclear Plant.

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

SECTION 4

ABSTRACT OF SYSTEM PRESSURE TESTS RESULTS

Inservice Inspection System Pressure Tests were performed during the period June 10, 2002 to November 26, 2003. These tests were performed in accordance with the requirements of ASME Code Section XI, 1989 Edition (No Addenda) Articles IWA-5000, IWB-5000, IWC-5000, IWD-5000, Code Case N-533-1, N-616 and Code Case N-416-1, as applicable.

Pressure tests for systems identified below were performed during this outage. The remainder of the pressure tests for the interval 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
R0231394-01/02	Perform Depressurized and Pressurized walk down at NOP/NOT (Includes all Class 1 RCS piping)	11/24/2003

INDIANA MICHIGAN POWER COMPANY
 COOK NUCLEAR PLANT, BRIDGMAN, MI.
 UNIT 1 COMMERCIAL SERVICE DATE 8-23-1975

SECTION 5
 ABSTRACT OF SNUBBER EXAMINATION AND TEST RESULTS
 AND CORRECTIVE ACTIONS

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
1-GRC-S519	11/16/03	R230766	Acceptable
1-GRC-S537	11/5/03	R230766	Acceptable
1-GRC-S538	10/25/03	R230766	Acceptable
1-GRC-S555	11/5/03	R230766	Acceptable
1-GRC-S562	11/5/03	R230766	Acceptable
1-GRC-S564	10/25/03	R230766	Acceptable
1-GRC-S566	11/5/03	R230766	Acceptable
1-GRC-S573	11/5/03	R230766	Acceptable
1-GRC-S575	10/25/03	R230766	Acceptable
1-GRC-S582	11/5/03	R230766	Acceptable
1-GRC-S587	10/25/03	R230766	Acceptable
1-GRC-S592	10/25/03	R230766	Acceptable
1-GRC-S594	10/25/03	R230766	Acceptable
1-GRC-S596	10/25/03	R230766	Acceptable
1-GRC-S598	11/14/03	R230766	Acceptable
1-GRC-S599	10/25/03	R230766	Acceptable
1-GRC-S604	10/31/03	R230766	Acceptable
1-GRC-S608	11/1/03	R230766	Acceptable
1-GRC-S614	10/25/03	R230766	Acceptable
1-AFW-S4023	10/29/03	R230518	Acceptable
1-AFW-S4024-L	10/29/03	R230518	Acceptable
1-AFW-S4024-U	10/29/03	R230518	Acceptable
1-AFW-S4021	10/29/03	R230518	Acceptable
1-AFW-S4028-L	11/4/03	R230518	Acceptable
1-AFW-S4028-U	11/4/03	R230518	Acceptable
1-AFW-S4027	11/4/03	R230518	Acceptable
1-AFW-S4025	11/4/03	R230518	Acceptable
1-AFW-S4031	11/4/03	R230518	Acceptable
1-AFW-S4032-L	11/4/03	R230518	Acceptable
1-AFW-S4032-U	11/4/03	R230518	Acceptable

Snubber VT-3 Visual Examinations
(Continued)

Snubber No.	Exam Date	Job Order No.	Results
1-AFW-S4029	11/4/03	R230518	Acceptable
1-AFW-S4036-L	11/4/03	R230518	Acceptable
1-AFW-S4036-U	11/4/03	R230518	Acceptable
1-AFW-S4035	11/4/03	R230518	Acceptable
1-AFW-S4033	11/5/03	R230518	Acceptable
1-GCCW-S309	7/28/03	R227388	Acceptable
1-GCCW-S837	7/28/03	R227388	Acceptable
1-GCCW-S838	7/28/03	R227388	Acceptable
12-GCCW-S839	7/28/03	R227388	Acceptable
1-GBD-S573	8/25/03	R227444	Acceptable
1-GBD-S574	8/25/03	R227444	Acceptable
1-OME-3-1-HSD-3U	10/22/03	R229842	Acceptable
1-OME-3-1-HSD-3L	10/22/03	R229842	Acceptable
1-OME-3-1-HSD-1U	10/22/03	R229842	Acceptable
1-OME-3-1-HSD-1L	10/22/03	R229842	Acceptable
1-OME-3-2-HSD-3U	10/23/03	R229842	Acceptable
1-OME-3-2-HSD-3L	10/23/03	R229842	Acceptable
1-OME-3-2-HSD-1U	10/23/03	R229842	Acceptable
1-OME-3-2-HSD-1L	10/23/03	R229842	Acceptable
1-OME-3-3-HSD-3U	10/23/03	R229842	Acceptable
1-OME-3-3-HSD-3L	10/23/03	R229842	Acceptable
1-OME-3-3-HSD-1U	10/23/03	R229842	Acceptable
1-OME-3-3-HSD-1L	10/23/03	R229842	Acceptable
1-OME-3-4-HSD-3U	10/22/03	R229842	Acceptable
1-OME-3-4-HSD-3L	10/22/03	R229842	Acceptable
1-OME-3-4-HSD-1U	10/22/03	R229842	Acceptable
1-OME-3-4-HSD-1L	10/22/03	R229842	Acceptable

Snubber Functional Tests
(Continued)

Snubber No.	Test Date	Job Order No.	Results	Remarks
1-GRC-S537	11/6/03	R29500	Accept.	Small Bore Grinnell
1-GRC-S587	10/29/03	R209895	Accept.	Small Bore Grinnell
1-AFW-S4024-L	11/4/03	R29510	Accept.	Small Bore Grinnell
1-AFW-S4021	11/4/03	R92848	Accept.	Small Bore Grinnell
1-AFW-S4028-U	11/6/03	R49667	Accept.	Small Bore Grinnell
1-AFW-S4036-U	11/5/03	R29569	Accept.	Small Bore Grinnell
1-OME-3-3-HSD-1L	10/31/03	R235221	Accept.	Large Bore
1-OME-3-3-HSD-1U	10/31/03	R71654	Accept.	Large Bore
1-OME-3-3-HSD-3U	10/31/03	R49690	Accept.	Large Bore
1-OME-3-3-HSD-3L	10/25/03	R71653	Accept.	Large Bore

The minimum 14% Technical Specification required sample size consists of 6 small bore (Grinnell) and 3 large bore (Steam Generator) Snubbers.

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

SECTION 6

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

During the reporting period of June 10, 2002 to November 26, 2003, Inservice inspections were performed on the Unit 1 Containment pressure retaining structure in accordance with Subsections IWE and IWL of ASME Section XI, 1992 Edition and 1992 Addenda, and 10 CFR 50.55a.

The following attachment provides a listing of the examinations performed, results, and corrective actions, if any were performed. A General Visual Examination was performed on all accessible surfaces of the Containment liner along with examinations performed in conjunction with coating repairs, and other repair/replacement activities.

The General visual examination revealed no evidence of degradation that may affect either the containment structural integrity or leak tightness. All results were within the established acceptance criteria with the exception of one bolt which was gouged during disassembly of the component. The bolt and associated nut was replaced. There were no areas that required to be classified as an Augmented Examination area in accordance with IWE-1240.

Prog. Owner: James M. Fitchuk
JAMES M. FITCHUK

NIS-1 ATTACHMENT
 EVALUATION OF AS-FOUND CONDITION
 EXAMINATION RESULTS

Date: 2-9-04

Date	Unit	Job Order Activity	Examination Area	Exam Method	Indications/Conditions that led to Degradation (if rejectable)	Disposition*/ Corr. Actions
7/31/2002	1	2039039-05	1-AIRLOCK C650 (Prepped areas per 1-LDCP-5190 prior to coating) Attachment and removal areas inside airlock and containment side of airlock per 1-LDCP-5190	VT-3	Gouge in removal area: 3/32" deep x 3/16" wide and 1-3/4" long	Accept - See Condition Report 02212033
10/22/2003	1	R238156-02	Containment Liner Plate and Penetrating Items - Zones 1B-598-26, 1-598-27	General Visual	None	Accept
10/23/2003	1	R238156-03	Containment Liner Plate and Penetrating Items - Zones 1B-612-10A, 1-612-11A, 1-612-12A	General Visual	None	Accept
10/24/2003	1	03247023-01	Containment Penetration 1-CPN-2	VT-3	Flaking of coating, no base metal degradation	Accept
10/24/2003	1	03247026-01	Containment penetration 1-CPN-5	VT-3	None	Accept
10/24/2003	1	03247026-01	1-CPN-56, 360 degrees around penetration from approx. 1' on liner away from attachment weld to first weld towards containment at piping	VT-3	Some degradation of coatings, random cracking of coating and rust (slight) bleedthrough at the cracking at various locations around the penetration. Heavy rust staining at 6:00 due to moisture run-off from glycol piping.	Accept - conditions addressed under Coatings Program
10/27/2003	1	03247025-01	Containment Penetration 1-CPN-4 from weld at bellows to approx. 3' past the start of radius towards pipe and 360 degrees around the penetration	VT-3	None	Accept
10/27/2003	1	03247024-01	Containment Penetration 1-CPN-3 from weld at bellows to approx. 3' past the start of radius towards pipe and 360 degrees around the penetration	VT-3	None	Accept

Prog. Owner: James M. Fitchuk
JAMES M. FITCHUK

NIS-1 ATTACHMENT
 EVALUATION OF AS-FOUND CONDITION
 EXAMINATION RESULTS

Date: 2-9-04

10/28/2003	1	R238156-01	Containment Liner Plate Moisture Barrier 1-598-MB	VT-3	None	Accept
10/30/2003	1	R230624-06	Containment Liner Plate behind Divider Barrier Seal Divider barrier seal in E & W CEQ fan Rooms El. 612 Zone 1-598-27/1-612-28A and 1-598-26/1-612-26A Seal material removed is approx. 12" long exam area consists of approx. 12" down from divider barrier steel attachment to liner plate and approx. 18" past each end of remaining seal material on both ends	General Visual	None	Accept
10/30/2003	1	02285003-01	Airlocks doors and core barrel for LDCR 5190 1- AIRLOCK-C650	VT-3	None	Accept
11/4/2003	1	0238156-01	Containment Liner Plate and Regenerating Items Zones 1- 598-1, 1-598-2, 1-598-3, 1-598-4, 1-598-5, 1-598-6, 1-598- 7, 1-598-8, 1-598-9, 1-598-10, 1-598-11, 1-598-12, 1-598- 13, 1-598-14, 1-598-15, 1-598-16, 1-598-17, 1-598-18, 1- 598-19, 1-598-20, 1-598-21, 1-598-22, 1-598-23, 1-598-24, 1-598-25, 1-612-2, 1-612-3, 1-612-4, 1-612-5, 1-612-6, 1- 612-7, 1-612-8, 1-612-9, 1-612-10B, 1-612-11B, 1-612- 12A (partial), 1-612-12B, 1-612-13A, 1-612-13B, 1-612- 14A, 1-612-14B, 1-612-15A, 1-612-15B, 1-612-16, 1-612- 17, 1-612-18, 1-612-19, 1-612-20, 1-612-21, 1-612-22, 1- 612-23, 1-612-24, 1-612-25A, 1-612-25B, 1-612-25C, 1- 612-26A, 1-612-26B, 1-612-26C, 1-612-27A, 1-612-27B, 1- 612-27C, 1-612-28A, 1-612-28B, 1-612-1, 1-650-1A, 1- 650-1B, 1-650-1C, 1-650-2A, 1-650-2B, 1-650-2C, 1-650- 3A, 1-650-3B, 1-650-3C, 1-650-4, 1-715-1A, 1-715-2A, 1- 715-3, 1-745-001, 1-757-001, 1-715-1B, 1-715-1C, 1-715- 2B, inspection ports, lower ice, 1-PORT-01 (Bay 7), 1- PORT-02 (Bay 12), 1-PORT-03 (Bay 18)	General Visual	None	Accept
11/6/2003	1	R231101-28	1-AIRLOCK-C650 BOLTING, 1-UPLOBD. Bolting, 40 washers, 40 nuts, 40 bolts	VT-1	1 nut and 1 bolt was deformed during removal	The nut and bolt was replaced

Prog. Owner: James M. Fitchuk
JAMES M. FITCHUK

Date: 2-9-04

NIS-1 ATTACHMENT
EVALUATION OF AS-FOUND CONDITION
EXAMINATION RESULTS

11/18/2003	02081024-05804	1 AIRLOCK G612 - Surface under airlock handwheel and handwheel cap screws on each door (one sided exam on FURLIDH-BOLTING & FURLIDH-BOLTING)	VT-1	None	Accept
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INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

SECTION 7

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

1.0 2003 Steam Generator In-Service Inspections

During October/November of 2003, steam generator in-service inspections were conducted on the Unit 1 steam generators as detailed below. This inspection constituted the second in-service inspection of the replacement steam generators with the initial inspection having been performed in May 2002.

The Unit 2 steam generators were last inspected in January/February of 2002 as detailed in submittal AEP: NRC: 3691- 01. These steam generators remain under the provisions of Technical Specification 4.4.5.3a which allows an inspection interval of 40 calendar months once two consecutive inspections have yielded degradation category C-1 results. As such, the Unit 2 steam generators will next be inspected in the Fall of 2004.

1.1 Unit 1 Steam Generator Description

The four replacement Babcock & Wilcox model 51R steam generators were initially placed in service in December of 2000.

Each of the replacement steam generators contains 3496 thermally treated (TT) alloy 690 tubes with an outside diameter of 0.875 inches and a nominal wall thickness of 0.049 inches. The tubes are arranged in a triangular pitch pattern of 107 rows and 85 columns. The U-bend of all tubes having up to a 12 inch centerline bend radius (rows 1-13) are stress relieved. In addition, the bundle has an increased tube bend radius i.e. the row 1 bend radius of 2.19 inches in the original steam generators was increased to 4.750 inches in the replacement steam generators, to reduce the stress concentration in the U-bend area.

The tube support structure consists of eight stainless steel (SA-240-410S-modified) lattice grid assemblies and four sets of flat bar (also called fan bar) restraints. Each lattice grid consists of interlocking high and low bars that form a lattice pattern to provide lateral restraint in the straight portion of the tubes. The flat bar restraints are made of the same stainless steel material and offer support in the U-bend area.

The tubesheet is a nominal 21.25 inches thick and is made of ASME SA-508 Class 3a low alloy steel forging material with Inconel cladding on the primary side. All tubes are hydraulically expanded into the tubesheet holes and flush seal welded at the primary face. The expansion includes the entire depth of the tubesheet for both the hot and cold leg sides.

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

(Continued)

1.2 Inspection Scope

Steam generator eddy current inspections were performed during October/November 2003. The inspection scope consisted of a 20% full-length bobbin coil examination of the tubes in steam generator #14. In addition, special examinations were performed in areas of interest using rotating probes to better characterize select bobbin coil signals.

Steam generator #14 was selected for examination to support continued monitoring of a fan bar wear indication detected during the initial (2002) inspection. The remaining steam generators did not have any indications of this type and were not included in the examination scope as permitted by Technical Specification Table 4.4.1.

1.3 Inspection Results

The following table and associated discussions summarizes all reported indications:

Indication	Test	SG 14
Ding (DNG)	Bobbin	4
Freespan History (FSH)	Bobbin	1
Manufacturing Burnish Mark History (MBH)	Bobbin	19
< 20% TW	Bobbin	1

Dings (DNG):

Four ding signals were reported using a 2-volt criterion during the bobbin coil examination.

Each of these locations was examined with a rotating coil with no degradation detected. With the exceptions of the indication at R85/C57, all other ding indications were present on the baseline examination. It was theorized that the new indication on tube R85/C57 might have been caused by a loose part. As a result the three surrounding tubes were examined in the area of interest by a rotating coil. No loose part indications or tube damage was found during this expanded examination.

During the operational baseline inspection (May 2002) a ding indication was called in the U-bend region of tube R34/26. Upon re-inspection in 2003, the indication was not found. Discussions with the data analysts noted the possibility of a foreign material on the outside surface of the tube since removed, which contributed to the false indication.

Freespan Indications (FSI, FSH, MBI, MBH):

Freespan bobbin coil indications are indications on the interior/exterior surface of a tube that are not associated with the tubesheet sludge pile region or any support structure. The production analyst reports all freespan indications initially detected by the bobbin coil as FSI (freespan indication). The final disposition of the reported FSI indications is

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

(Continued)

then made by a resolution analyst according to the results of a required indication history review. All indications that indicate insignificant change as compared to the original baseline data are subsequently reported as FSH (freespan history) or MBH (manufacturing burnish mark history). Those FSI indications that indicate significant change are reported as NQI or MBI and undergo additional diagnostic testing using a rotating coil.

All of the reported indications were found to have insignificant change since the baseline examination and therefore were coded FSH or MBH as directed by the Data Analysis Guidelines. A sample of the accessible indications (i.e. no manipulator moves were made in order to gain access to the hot leg indications) were examined with a rotating coil. The one FSH indication was inspected with no degradation found. Thirteen of the nineteen MBH indications were examined. No degradation was detected during this examination.

Tube Wear (<20%):

Tube R53/C53 was identified during the original inservice inspection (May 2002) as having low level wear at the fan bar 5 + 0.61" support location. The bobbin coil through-wall depth measurement for this indication was 8% TW. As part of our continued monitoring program, this indication was reexamined during the October/November 2003 inspection. The indication was measured at 11% using the qualified bobbin coil probe. The indication was also reviewed with a rotating coil that provided no additional information. As the wear depth was well below the Technical Specification repair limit of 40%TW, the tube was left in service. There were no additional wear indications reported.

1.4 Plugged Tubes

No defective or degraded tubes were identified during the 2003 Unit 1 steam generator eddy current inspection of steam generator #14. As a result, no tubes were plugged.

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

SECTION 8

NIS-2 REPAIR AND REPLACEMENT INDEX

U1C19 Repair Replacement Report

<i>Job Order</i>	<i>Description</i>	<i>Component</i>	<i>CC</i>
R0092848 01	1-AFW-S4021, REMOVE/FUNCTIONAL TEST/INSTALL NEW	1-AFW-S4021	2
R0029510 01	REMOVE/FUNCTIONAL TEST/INSTALL NEW SNUBBER	1-AFW-S4024-L	2
R0049667 01	REMOVE/FUNCTIONAL TEST/INSTALL NEW SNUBBER	1-AFW-S4028-U	2
R0029569 01	REMOVE/FUNCTIONAL TEST/INSTALL NEW SNUBBER	1-AFW-S4036-U	2
02157099 01	1-CCM-451 CORRECT IMPROPER THREAD ENGAGEMENT	1-CCM-451	2
02199029 01	1-CS-321, EXAMINE INTERNALS AND REPLACE CAGE	1-CS-321	1
R0231396 02	1-CS-325, SUPPORT SOER-86-03 INTERNAL INSPECTION	1-CS-325	1
03238024 02	REPLACE U1 SGBD PIPING UNDER FLOW INST 1-DFI-421	1-DFI-421	2
03266012 01	1-FW-118-1 REPAIR VALVE AS REQUIRED	1-FW-118-1	2
03266012 04	1-FW-118-1 REPAIR STUD HOLES, INSTALL HYTORC NUTS	1-FW-118-1	2
R0029500 01	REMOVE/FUNCTIONAL TEST/INSTALL NEW SNUBBER	1-GRC-S537	1
00319076 01	1-GRC-S564 AND S566: SWAP SNUBBER LOCATIONS	1-GRC-S564	1
R0209895 01	1-GRC-S587: REMOVE/FUNCTIONAL TEST/INSTALL NEW	1-GRC-S587	1
02206076 01	1-GSI-R-50 RETURN HANGER TO DESIGN CONFIGURATION	1-GSI-R50	2
03304007 02	1-IMO-315, INVESTIGATE AND REPAIR VALVE	1-IMO-315	1
03304007 15.	1-IMO-315, DISASSEMBLE, INSPECT, REPAIR VALVE	1-IMO-315	1
03192011 01	1-MOD-35534, REPLACE 1-IRV-310 WITH V200 DESIGN	1-IRV-310	2
03192011 05	1-MOD-35534, REPLACE 1-IRV-311 WITH V200 DESIGN	1-IRV-311	2
03192011 09	1-MOD-35534, REPLACE 1-IRV-320 WITH V200 DESIGN	1-IRV-320	2
03064034 02	1-MRV-211, DISASSEMBLE, INSPECT AND REPAIR LEAKBY	1-MRV-211	2
02336008 01	1-MRV-221, DISASSEMBLE AND REPAIR LEAKBY	1-MRV-221	2
03044027 02	1-MRV-241, REPAIR LEAKBY/OVERHAUL ACTUATOR AS REQ.	1-MRV-241	2
02155026 01	1-NRV-151, REPLACE VALVE TRIM/ OVERHAUL ACTUATOR	1-NRV-151	1
02155027 01	1-NRV-152, REPLACE VALVE TRIM/OVERHAUL ACTUATOR	1-NRV-152	1
02155030 01	1-NRV-153, REPLACE VALVE TRIM/OVERHAUL ACTUATOR	1-NRV-153	1
02248043 02	1-OME-3-4, REMOVE/INSTALL PRIMARY MANWAYS FOR INSP	1-OME-3-4	1
03300044 01	1-PP-45-1, INSPECT #11 RCP MAIN FLANGE BOLTS	1-PP-45-1	1
03298026 01	1-PP-45-2, INSPECT #12 RCP MAIN FLANGE BOLTS	1-PP-45-2	1

<i>Job Order</i>	<i>Description</i>	<i>Component</i>	<i>CC</i>
03300045 01	1-PP-45-3, INSPECT #13 RCP MAIN FLANGE BOLTS	1-PP-45-3	1
03300046 01	1-PP-45-4, INSPECT #14 RCP MAIN FLANGE BOLTS	1-PP-45-4	1
02158072 02	1-RC-102-L1, DETERMINE LEAKAGE SOURCE/REPAIR	1-RC-102-L1	1
02156016 01	1-RC-102-L2 SECURE BORIC ACID LEAK AND CLEAN VALVE	1-RC-102-L2	1
02158079 01	1-RC-102-L3, REPAIR BORON LEAK	1-RC-102-L3	1
01256024 04	1-RH-108E DISASSEMBLE VALVE/INSPECT/REASSEMBLE	1-RH-108E	2
02131019 01	1-SI-158-L1 DISASSEMBLE TO REPAIR BODY/BONNET LEAK	1-SI-158-L1	1
02131019 06	1-SI-158-L1 MACHINE BONNET	1-SI-158-L1	1
R0235214 04	1-SV-1A-1 REMOVE VALVE, SHIP OFFSITE FOR REFURB	1-SV-1A-1	2
R0235216 04	1-SV-1B-4 REMOVE VALVE, SHIP OFFSITE FOR REFURB	1-SV-1B-4	2
R0235218 04	1-SV-2A-4 REMOVE VALVE, SHIP OFFSITE FOR REFURB	1-SV-2A-4	2
R0231386 03	1-SV-2B-1 REMOVE/REPLACE VALVE	1-SV-2B-1	2
R0237726 04	1-SV-2B-2 REMOVE VALVE, SHIP OFF SITE FOR REFURB	1-SV-2B-2	2
R0235219 04	1-SV-2B-4 REMOVE VALVE, SHIP OFFSITE FOR REFURB	1-SV-2B-4	2
R0235215 04	1-SV-3-1 REMOVE/REPLACE VALVE	1-SV-3-1	2
R0235217 04	1-SV-3-4 REMOVE VALVE, SHIP OFFSITE FOR REFURB	1-SV-3-4	2
R0231375 06	1-SV-45A REMOVE/REPLACE VLV FOR SETPOINT TESTING	1-SV-45A	1
R0233565 06	1-SV-45B REMV & SEND OFF-SITE FOR SETPOINT TEST	1-SV-45B	1
R0233564 06	1-SV-45C REMOVE/INSTALL VALVE FOR SETPOINT TESTING	1-SV-45C	1
R0243616 01	1-SV-53 SETPOINT TEST	1-SV-53	2
R0210777 01	1-SV-54 SETPOINT TEST FOR SECTION XI INSPECTION	1-SV-54	2

INDIANA MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT, UNIT 1
BRIDGMAN, MI.
COMMERCIAL SERVICE DATE 8-23-1975

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 11-16-03

Sheet 1 of 2

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

Unit 1 Component 1-AFW-S4021

JOB ORDER No. R0092848-01
 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 AFW 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)
1-AFW-S4021							
SNUBBER	GRINNELL	S/N # 34316 M&E # 30-024683 ASP # 28228	N/A	N/A	N/A	Replacement	NO
SEAL KIT, TYPE-A	GRINNELL	M&E # 30-040551 ASP # 23787	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-025060 ASP # 18076	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-040591 ASP # 27524	N/A	N/A	N/A	Replacement	NO

7. Description of Work Replaced Existing Snubber with refurbished Snubber from stock.

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

INIT. JGH
28 Jan 04
 025

FORM NIS-2 (Back)
Job Order/File R0092848-01

9. Remarks: JOA # 03211050-01 Controlled the refurbishment activities for Snubber S/N # 34316. Three (3) seal kits
Applicable Manufacturer's Data Reports to be attached
were installed during this refurbishment activity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

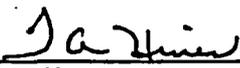
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Welding Supervisor Date JAN 26, 20 04
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 04-22-03 to 11-26-03, 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.

 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 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 11-11-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Address
 Sheet 1 of 2
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-AFW-S4024-L
 Name
One Cook Place, Bridgman, MI 49106 Address
JOB ORDER No. R0029510-01
 Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name
One Cook Place, Bridgman, MI 49106 Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System AFW 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)
1-AFW-S4024-L							
SNUBBER	GRINNELL	S/N # 35355 M&E # 30-024683 ASP # 28228	N/A	N/A	N/A	Replacement	NO
SEAL KIT, TYPE-A	GRINNELL	M&E # 30-040551 ASP # 26432	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-025060 ASP # 27777	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-040591 ASP # 21125	N/A	N/A	N/A	Replacement	NO
BUSHING, ROD	GRINNELL	M&E # 30-024791 ASP # 20905	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-025004 ASP # 23023	N/A	N/A	N/A	Replacement	NO

7. Description of Work Replaced Existing Snubber with refurbished Snubber from stock.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NDE: VT-3 Pressure N/A psi. Test Temp. N/A F

INIT. JAH
28 Jan 04

FORM NIS-2 (Back)
Job Order/File R0029510-01

9. Remarks: JOA # 03211054-01 Controlled the refurbishment activities for Snubber S/N # 35355. Three (3) seal kits, Applicable Manufacturer's Data Reports to be attached
One (1) rod bushing and One (1) piston wear ring were installed during this refurbishment activity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 26, 20 04
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 04-22-03 to 11-26-03, 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.

J. A. [Signature] Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 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 11-13-03

Sheet 1 of 2

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

Unit 1 Component 1-AFW-S4028-U

JOB ORDER No. R0049667-01
 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 AFW 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)
1-AFW-S4028-U							
SNUBBER	GRINNELL	S/N # 34278 M&E # 30-024683 ASP # 28228	N/A	N/A	N/A	Replacement	NO
SEAL KIT, TYPE-A	GRINNELL	M&E # 30-040551 ASP # 20923	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-025060 ASP # 18076	N/A	N/A	N/A	Replacement	NO

7. Description of Work Replaced Existing Snubber with refurbished Snubber from stock.

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

INIT *Jad*
289-04

FORM NIS-2 (Back)
Job Order/File R0049667-01

9. Remarks: JOA # 03211053-01 Controlled the refurbishment activities for Snubber S/N # 34278. Two (2) seal kits
Applicable Manufacturer's Data Reports to be attached
were installed during this refurbishment activity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 26, 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 04-22-03 to 11-28-03, 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.

J. A. ... Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 2004

0340
REPL
01/26/04

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 11-11-03

Sheet 1 of 2

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

Unit 1 Component 1-AFW-S4036-U

JOB ORDER No. R0029569-01
 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 AFW 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)
1-AFW-S4036-U							
SNUBBER	GRINNELL	S/N # 35354 M&E # 30-024683 ASP # 28228	N/A	N/A	N/A	Replacement	NO
SEAL KIT, TYPE-A	GRINNELL	M&E # 30-040551 ASP # 26432	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-025060 ASP # 18076	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-040591 ASP # 27405	N/A	N/A	N/A	Replacement	NO

7. Description of Work Replaced Existing Snubber with refurbished Snubber from stock.

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

INIT Jad
28 Jan 04
 0301
 RE# 2110104

FORM NIS-2 (Back)
Job Order/File R0029569-01

9. Remarks: JOA # 03146006-01 Controlled the refurbishment activities for Snubber S/N # 35354. Three (3) seal kits
Applicable Manufacturer's Data Reports to be attached
were installed during this refurbishment activity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 26, 20 04
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 04-22-03 to 11-26-03, 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.

J.A. Hines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 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 10-24-03

Sheet 1 of 2

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

Unit 1 Component 1-CCM-451

JOB ORDER No. 02157099-01
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: CCW 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)
VALVE 1-CCM-451							
BOLT 3/4" DIA 10 UNC	N/A	M&E # 30-212228 ASP # 27308	N/A	ASME SA 307 GR B	N/A	Replacement	NO

7. Description of Work Replaced Valve Flange Bolting.

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

INT. JCH
1-9-04

FORM NIS-2 (Back)
Job Order/File 02157099-01

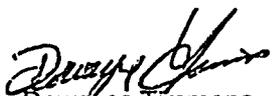
9. Remarks: NONE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

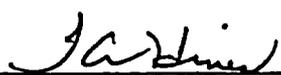
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Welding Supervisor Date 12-19-03, 20 03
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 4-22-03 to 11-26-03, 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.

 Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 1-9 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 11-04-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-CS-321
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 02199029-01
 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: CCW 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)
1-CS-321 CHECK VALVE							
DISC, VALVE	VELAN	M&E # 30-043949 ASP # 17244	N/A	ASME SA 182 GR 316 (DISC)	N/A	Replacement	NO

7. Description of Work Installed new Check Valve Disc.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other None Pressure N/A psi. Test Temp. N/A F

INIT. Jab
25 Jan 04

FORM NIS-2 (Back)
Job Order/File 02199029-01

9. Remarks: None
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 26, 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 04-22-03 to 11-26-03, 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.

J. A. Lines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 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 Date 11-24-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-CS-325
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0231396-02
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name
One Cook Place, Bridgman, MI 49106 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System: CVCS 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)
1-CS-325 2" CHECK VALVE							
DISC, PISTON	CONVAL	M&E # 30-035495 ASP # 26396	N/A	ASME SA 479, UNS S21800	N/A	Replacement	NO
BONNET, VALVE	CONVAL	M&E # 30-035335 ASP-14875	N/A	ASME SA479 TYPE XM19H	N/A	Replacement	NO
SPRING, VALVE	CONVAL	M&E # 30-035530 ASP-12671	N/A	N/A	N/A	Replacement	NO

7. Description of Work Installed new Valve Bonnet, Piston Disc and Piston Disc Spring.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other VT-2 Pressure N/A psi. Test Temp. N/A F

037

INIT. JAD
12 Dec 04

FORM NIS-2 (Back)
Job Order/File R0231396-02

9. Remarks: VT-2 performed by JOA # R0231394-01.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 11, 20 04
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 4/22/03 to 11/26/03, 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.

J. Adkins Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 12 Jan 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 11-17-03
Sheet 1 of 2

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

Unit 1 Component 1-DFI-421 & 1-BD-524
JOB ORDER No. 03238024-02
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 BD 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 Code Case N416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No. (Material M&E, ASP, PO)	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SMALL PIPE SUB-ASSEMBLY 1-BD-524							
PIPE 2" Sch 80	N/A	M&E # 30-016732 ASP # 16393	N/A	ASME SA376 TP304	N/A	Replacement	NO
ELBOW, PIPE 90 DEG 3000 LB	N/A	M&E # 30-016998 ASP # 25415	N/A	ASME SA182 GR304	N/A	Replacement	NO

7. Description of Work Replaced Carbon Steel Pipe with Stainless Steel piping.

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

FORM NIS-2 (Back)

Job Order/File 03238024-02

9. Remarks: VT-2 In Service examination performed per JOA # 03238024-16. 1-DFI-421 is an instrument number
Applicable Manufacturer's Data Reports to be attached
associated with this work. 1-BD-524 is the small bore piping isometric number associated with the piping system.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

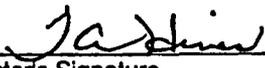
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Dwayne Timmons Maintenance Welding Supervisor Date JAN 11, 20 04
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 4-22-03 to 11-24-03, 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.

 Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 13 Jun 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 11-10-03
 Sheet 1 of 2

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

Unit 1 Component 1-FW-118-1
 JOB ORDER No. 03266012-01, 04 & 05 ^{Rev}
 Repair Org. P.O. No., Job No., etc 2/12/04

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: AFW 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)
1-FW-118-1 CHECK VALVE							
CHECK VALVE BODY & BONNET	ATWOOD & MORRIL	EXISTING	N/A	ASME SA216 GR WCB	N/A	REPAIRED	NO
STUD, ALL-THREAD 1 3/4 IN DIA 8 UNC	N/A	M&E # 30-029939 ASP # 27557 ASP # 27842	N/A	ASME SA193 GR B7	N/A	REPLACEMENT	NO
HELICOIL 1 3/4 IN DIA 8UNC	N/A	M&E # 30-009805 ASP # 28258	N/A	ASME SA479 GR 302	N/A	REPLACEMENT	NO
HYTORC, CLAMP NUTS 1 3/4 IN DIA 8UNC	N/A	M&E # 00-037007 ASP # 28275	N/A	ASME SA540 GR 4340 Outer Sleeve SA 193 B16 Inner Sleeve	N/A	REPLACEMENT	NO
HYTORC, CLAMP NUTS 7/8 IN DIA 9UNC	N/A	M&E # 00-037008 ASP # 28275	N/A	ASME SA540 GR 4340 Outer Sleeve SA 193 B16 Inner Sleeve	N/A	REPLACEMENT	NO

7. Description of Work Repaired Valve by machining Body, Bonnet and Studs Holes. Installed Helicoils and Bolting.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

041 INIT JAD
 28 Dec 03

FORM NIS-2 (Back)
Job Order/File 03266012-01, 04 & 05

9. Remarks: NONE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed Dewayne Timmons Maintenance Welding Supervisor Date JAN 27, 20 04
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 04-22-03 to 11-26-03, 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.

JAD Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 11-16-03

Sheet 1 of 2

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

Unit 1 Component 1-GRC-S537

JOB ORDER No. R0029500-01
 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 RCS 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)
1-GRC-S537							
SNUBBER	GRINNELL	S/N # 35353 M&E # 30-024683 ASP # 28228	N/A	N/A	N/A	Replacement	NO
SEAL KIT, TYPE-A	GRINNELL	M&E # 30-040551 ASP # 26432	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-025060 ASP # 23203	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-040591 ASP # 27405	N/A	N/A	N/A	Replacement	NO

7. Description of Work Replaced Existing Snubber with refurbished Snubber from stock.

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

043
 INIT: *Jack*
 28 Jan 04

FORM NIS-2 (Back)
Job Order/File R0029500-01

9. Remarks: JOA # 03211058-01 Controlled the refurbishment activities for Snubber S/N # 35353. Three (3) seal kits
Applicable Manufacturer's Data Reports to be attached
were installed during this refurbishment activity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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



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

Date Jan 26, 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 04-22-03 to 11-26-03, 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

MI 300471

National Board, State, Province, and Endorsements

Date 28 Jan 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 11-18-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-GRC-S564 & S566
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 00319076-01
 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 RCS 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)
1-GCS-S564							
SNUBBER	GRINNELL	S/N # 34357 (Existing)	N/A	N/A	N/A	Replacement	NO
1-GCS-S566							
SNUBBER	GRINNELL	S/N # 32888 (Existing)	N/A	N/A	N/A	Replacement	NO

7. Description of Work Removed & Relocated Existing Snubbers to design location(s).

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

INIT. Jah
 045
 1-9-04

FORM NIS-2 (Back)
Job Order/File 00319076-01

9. Remarks: NONE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 6, 20 04
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 4-22-03 to 11-26-03, 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.

J A Lines Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 1-9 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 11-05-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Address
 Sheet 1 of 2
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-GRC-S587
 Name
One Cook Place, Bridgman, MI 49106 Address
 JOB ORDER No. R0209895-01
 Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name
One Cook Place, Bridgman, MI 49106 Address
 Authorization No. N/A
 Expiration Date N/A
4. Identification of System RCS 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)
1-GRC-S587							
SNUBBER	GRINNELL	S/N # 32425 M&E # 30-024683 ASP # 27647	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-040591 ASP # 21125	N/A	N/A	N/A	Replacement	NO
SEAL KIT	GRINNELL	M&E # 30-025060 ASP # 21136	N/A	N/A	N/A	Replacement	NO
BUSHING, ROD	GRINNELL	M&E # 30-024791 ASP # 20905	N/A	N/A	N/A	Replacement	NO

7. Description of Work Replaced Existing Snubber with refurbished Snubber from stock.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NDE: VT-3 Pressure N/A psi. Test Temp. N/A F

INIT. JAL
 04'7 28 Jan 04

FORM NIS-2 (Back)
Job Order/File R0209895-01

9. Remarks: JOA # 02140061-01 Controlled the refurbishment activities for Snubber S/N # 32425. Two (2) seal kits
Applicable Manufacturer's Data Reports to be attached
and One (1) Rod Bushing was replaced during this refurbishment activity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 26, 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 04-22-03 to 11-26-03, 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.

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JA Dines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 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 11-07-02

Sheet 1 of 2

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

Unit 1 Component 1-GSI-R-50

JOB ORDER No. 02206076-01
 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: SI 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)
LARGE PIPE RESTRAINT 1-GSI-R-50							
PLATE, SHIM PL 1/4 X 4" X 0'4"	N/A	M&E # 30-153199 ASP # 20786	N/A	ASTM A 36	N/A	Replacement	NO

7. Description of Work Installed new shim plate by welding

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

INIT Jack
1-7-04

FORM NIS-2 (Back)
Job Order/File 02206076-01

9. Remarks: NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed  Dewayne Timmons Maintenance Welding Supervisor Date JAN 6, 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 4/22/03 to 11/26/03, 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.

 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/7 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 11-24-03
 Sheet 1 of 2

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

Unit 1 Component 1-IMO-315
 JOB ORDER No. 03304007-02
 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: RCS ISI CLASS 1

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)
1-IMO-315 VALVE							
RING, SEAL, VALVE	LUNKENHEIMER	M&E # 30-041708 ASP # 19256	N/A	ASME SA 351 GR CF8	N/A	Replacement	NO
FILLER METAL (1/8 ER316)	N/A	M&E # 30-045075 ASP # 17518	N/A	SFA 5.9	N/A	REPAIR	NO
FILLER METAL (3/32 ER316)	N/A	M&E # 30-045073 ASP # 10831	N/A	SFA 5.9	N/A	REPAIR	NO
FILLER METAL (5/32 ER316)	N/A	M&E # 30-045077 ASP # 8113	N/A	SFA 5.9	N/A	REPAIR	NO

7. Description of Work Repaired valve bonnet (weld removal area) and installed new Seal Ring by welding.

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

INIT JAD
28 Jan 04

FORM NIS-2 (Back)
Job Order/File 03304007-02

9. Remarks: . VT-2 performed per JOA # 03304007-07. VT-3 performed per JOA # 03304007-06.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 27, 20 04
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 04-22-03 to 11-26-03, 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.

JA Dineen Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 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 11-18-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-IRV-310, 311 & 320
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 03192011-01, 05 & 09
 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: RHR 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)
1-IRV-310							
VALVE	FISHER CONTROLS	SN 16653827 M&E # 00-036751 ASP # 28242	N/A	ASME SA-351 CF8M (BODY)	2003	Replacement	NO
1-IRV-311							
VALVE	FISHER CONTROLS	SN 16654242 M&E # 00-036751 ASP # 28242	N/A	ASME SA-351 CF8M (BODY)	2003	Replacement	NO
1-IRV-320							
VALVE	FISHER CONTROLS	SN 16654241 M&E # 00-036751 ASP # 28242	N/A	ASME SA-351 CF8M (BODY)	2003	Replacement	NO

7. Description of Work Replaced Valve(s) with new.

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

INIT Jed
13 Jan 04

FORM NIS-2 (Back)

Job Order/File 03192011-01, 05 & 09

9. Remarks: VT-2 performed by JOA # 03192011-15, 16 & 17. Valve Code of Construction ANSI B31-1 '67 Ed. with
Applicable Manufacturer's Data Reports to be attached

ASME Sec.III '86 Ed No Addenda invoked for design and material.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed  Dewayne Timmons Maintenance Welding Supervisor Date JAN 11, 20 04
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 4/22/03 to 11/26/03, 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.

 Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 13 Jan 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 11-1-03

Sheet 1 of 2

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

Unit 1 Component 1-MRV-211

JOB ORDER No. 03064034-02
 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: MS 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)
1-MRV-211							
ROD, THREADED 1/2 IN DIA 13 UNC	N/A	M&E # 30-211592 ASP # 23539	N/A	ASME SA193 GR B7	N/A	Replacement	NO
NUT, HEX 1/2 IN DIA 13 UNC	N/A	M&E # 30-211860 ASP # 27689	N/A	ASME SA194 GR 2H	N/A	Replacement	NO

7. Description of Work Installed new Body to Bonnet Bolting.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

055
 INIT. JAH
28 Jan 04

FORM NIS-2 (Back)
Job Order/File 03064034-02

9. Remarks: NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 26, 20 04
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 04-22-03 to 11-26-03, 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.

JA Hines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 11-14-03
Sheet 1 of 2

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

Unit 1 Component 1-MRV-221
JOB ORDER No. 02336008-01
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: MS 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)
1-MRV-221							
PLUG & STEM ASSEMBLY, VALVE	FISHER CONTROLS	M&E # 30-688864 ASP # 27167	N/A	ASTM A582 GR416 (PLUG) A276 T316 (STEM)	N/A	Replacement	NO

7. Description of Work Replaced Valve PLUG/STEM Assembly.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other NONE Pressure N/A psi. Test Temp. N/A F

057 INIT. ba
23 Jan 04

FORM NIS-2 (Back)
Job Order/File 02336008-01

9. Remarks: NONE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 26, 20 04
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 04-22-03 to 11-26-03, 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.

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J. A. Lewis Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 Date 11-1-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-MRV-241
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 03044027-02
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name
One Cook Place, Bridgman, MI 49106 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System: MS 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)
1-MRV-241							
PLUG & STEM ASSEMBLY, VALVE	FISHER CONTROLS	M&E # 30-688864 ASP # 28198	N/A	ASTM A582 GR416 (PLUG) A276 T316 (STEM)	N/A	Replacement	NO

7. Description of Work Replaced Valve PLUG/STEM Assembly.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

059 INIT. JH
28 Jan 04

FORM NIS-2 (Back)
Job Order/File 03044027-02

9. Remarks: NONE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Welding Supervisor Date Jan 26, 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 04-22-03 to 11-26-03, 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.

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J. Lewis Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 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 11-24-03
 Sheet 1 of 2

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

Unit 1 Component 1-NRV-151
 JOB ORDER No. 02155026-01
 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: RCS 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)
1-NRV-151 VALVE							
PLUG, VALVE	MASONEILAN	M&E # 30-042070 ASP # 26743	N/A	ASME SA479 TYPE 316 (PLUG)	N/A	Replacement	NO

7. Description of Work Replaced Valve Plug.

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

INIT. JAH
 061 28 Jan 04

FORM NIS-2 (Back)
Job Order/File 02155026-01

9. Remarks: VT-2 Performed per JOA # R0231394-01.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 27, 20 04
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 04-22-03 to 11-26-03, 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.

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J A Hines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 11-24-03

Sheet 1 of 2

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

Unit 1 Component 1-NRV-152

JOB ORDER No. 02155027-01
 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: RCS 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)
1-NRV-152 VALVE							
PLUG, VALVE	MASONEILAN	M&E # 30-042070 ASP # 26743	N/A	ASME SA479 TYPE 316 (PLUG)	N/A	Replacement	NO

7. Description of Work Replaced Valve Plug.

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

INIT. JAH
28 Jan 04

FORM NIS-2 (Back)
Job Order/File 02155027-01

9. Remarks: VT-2 Performed per JOA # R0231394-01.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed  Dewayne Timmons Maintenance Welding Supervisor Date JAN 27, 20 04
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 04-22-03 to 11-26-03, 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.

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 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 11-24-03
 Sheet 1 of 2

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

Unit 1 Component 1-NRV-153
 JOB ORDER No. 02155030-01
 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: RCS 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)
1-NRV-153 VALVE							
PLUG, VALVE	MASONEILAN	M&E # 30-042070 ASP # 26743	N/A	ASME SA479 TYPE 316 (PLUG)	N/A	Replacement	NO

7. Description of Work Replaced Valve Plug.

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

INIT JAA
 28 Jan 04

FORM NIS-2 (Back)
Job Order/File 02155030-01

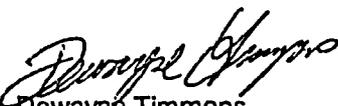
9. Remarks: VT-2 Performed per JOA # R0231394-01.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

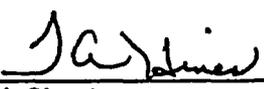
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Dewayne Timmons Maintenance Welding Supervisor Date JAN 27, 20 04
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 04-22-03 to 11-26-03, 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.

 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 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 11-24-03
 Sheet 1 of 2

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

Unit 1 Component 1-OME-3-4
 JOB ORDER No. 02248043-02
 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: RCS 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)
1-OME-3-4 STEAM GENERATOR							
STUD, PRIMARY MANWAY 2.5 DIA 8 UNC	N/A	M&E # 30-400010 ASP # 26726	N/A	ASME SA 193 GR B7	N/A	Replacement	NO

7. Description of Work Replaced Steam Generator Primary Manway Bolts.

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

INIT. JAH
 067 28 Jan 04

FORM NIS-2 (Back)
Job Order/File 02248043-02

9. Remarks: VT-2 performed by JOA # R0231394-01. VT-1 inspection of bolting performed by JOA # 02248043-16.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

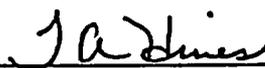
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Dewayne Timmons Maintenance Welding Supervisor Date JAN 26, 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 04-22-03 to 11-26-03, 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.

 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 11-09-03

Sheet 1 of 2

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

Unit 1 Component 1-PP-45-1

JOB ORDER No. 03300044-01
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: RCS 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)
1-PP-45-1 REACTOR COOLANT PUMP							
BOLT, MAIN FLANGE BOLT # 20	WESTINGHOUSE	SN 12555 M&E # 30-009271 ASP # 3228	N/A	ASME SA 540 GR B24	N/A	Replacement	NO

7. Description of Work Replaced RCP Main Flange Bolt.

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

069 INIT JAH
28 Jan 04

FORM NIS-2 (Back)
Job Order/File 03300044-01

9. Remarks: UT of replacement bolt performed by JOA # 03298026-05.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 29, 20 04
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 04-22-03 to 11-26-03, 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.

JA Dine Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 29 Jan 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 Date 11-08-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-PP-45-2
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 03298026-01
 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: RCS 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)
1-PP-45-2 REACTOR COOLANT PUMP							
BOLT, MAIN FLANGE BOLT # 16	WESTINGHOUSE	SN 14755 M&E # 30-009271 ASP # 12357	N/A	ASME SA 540 GR B24	N/A	Replacement	NO
BOLT, MAIN FLANGE BOLT # 22	WESTINGHOUSE	SN 12549 M&E # 30-009271 ASP # 3228	N/A	ASME SA 540 GR B24	N/A	Replacement	NO

7. Description of Work Replaced RCP Main Flange Bolt(s).
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other UT, VT-1 Pressure N/A psi. Test Temp. N/A F

071 INIT. *Jah*
29 Jan 04

FORM NIS-2 (Back)
Job Order/File 03298026-01

9. Remarks: UT of replacement bolt performed by JOA # 03298026-05.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 29, 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 04-22-03 to 11-26-03, 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.

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J.A. Dines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 29 Jan 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 11-07-03

Sheet 1 of 2

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

Unit 1 Component 1-PP-45-3

JOB ORDER No. 03300045-01
 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: RCS 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)
1-PP-45-3 REACTOR COOLANT PUMP							
BOLT, MAIN FLANGE BOLT # 13	WESTINGHOUSE	SN 12552 M&E # 30-009271 ASP # 3228	N/A	ASME SA 540 GR B24	N/A	Replacement	NO

7. Description of Work Replaced RCP Main Flange Bolt.

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

073 INIT JAH
29 Jan 04

FORM NIS-2 (Back)
Job Order/File 03300045-01

9. Remarks: UT of replacement bolt performed by JOA # 03298026-05.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Welding Supervisor Date JAN 29, 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 04-22-03 to 11-26-04, 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.

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Inspector's Signature *J A Dennis* Commissions MI 300471
National Board, State, Province, and Endorsements
Date 29 Jan 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 11-09-03
 Sheet 1 of 2

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

Unit 1 Component 1-PP-45-4
 JOB ORDER No. 03300046-01
 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: RCS 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)
1-PP-45-4 REACTOR COOLANT PUMP							
BOLT, MAIN FLANGE BOLT # 15	WESTINGHOUSE	SN 14753 M&E # 30-009271 ASP # 12357	N/A	ASME SA 540 GR B24	N/A	Replacement	NO

7. Description of Work Replaced RCP Main Flange Bolt.

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

075 INIT JAH
 29 Jan 04

FORM NIS-2 (Back)
Job Order/File 03300046-01

9. Remarks: UT of replacement bolt performed by JOA # 03298026-05.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 29, 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 04-22-03 to 11-26-04, 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.

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JA Hensel Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 29 Jan 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 Date 11-24-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-RC-102-L1
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 02158072-02
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name
One Cook Place, Bridgman, MI 49106 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System: RCS 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)
1-RC-102-L1 GLOBE VALVE							
CHAMBER, BONNET	N/A	M&E # 30-035414 ASP # 15932	N/A	ASME SA 479 NITRONIC 50	N/A	Replacement	NO

7. Description of Work Installed new Valve Bonnet Chamber.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other VT-2 Pressure N/A psi. Test Temp. N/A F

INIT JAH
28 Dec 04

FORM NIS-2 (Back)
Job Order/File 02158072-02

9. Remarks: VT-2 Performed per JOA # R0231394-01.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 27, 20 04
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 04-22-03 to 11-26-03, 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.

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J A Hines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 11-24-03
 Sheet 1 of 2

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

Unit 1 Component 1-RC-102-L2
 JOB ORDER No. 02156016-034 *PS 2/19/04*
 Repair Org. P.O. No., Job No., etc Jan 11 2004

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. 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)
1-RC-102-L2 VALVE							
DISC, STEM ASSEMBLY	CONVAL	M&E # 30-035210 ASP # 14119	N/A	NIT 60 SA-479	N/A	Replacement	NO
RETAINER, STEM ASSEMBLY	CONVAL	M&E # 30-035210 ASP # 14119	N/A	SA-479-316	N/A	Replacement	NO
BONNET ASSEMBLY	CONVAL	M&E # 30-035210 ASP # 14119	N/A	ASME SA 479-316 (CHAMBER)	N/A	Replacement	NO
YOKE ASSEMBLY	CONVAL	M&E # 30-035210 ASP # 14119	N/A	ASME SA182-F316 YOKE	N/A	Replacement	NO
YOKE BOLT	CONVAL	M&E # 30-035210 ASP # 14119	N/A	ASME SA193 GR B8M BOLT	N/A	Replacement	NO

7. Description of Work Replaced Valve Internals with new

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

079 INIT. Jan
12 Jan 04

FORM NIS-2 (Back)
Job Order/File 02156016-01

9. Remarks: VT-2 performed by JOA # R0231394-01. Removed valve internals and installed in existing valve body.
Applicable Manufacturer's Data Reports to be attached

DONOR VALVE CODE OF CONSTRUCTION: ASME Sec III Class 1 -Code Case N62-5, 1989 Edition 1989 Addenda

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

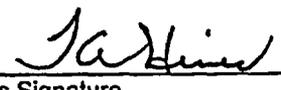
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Welding Supervisor Date JAN 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 4-22-03 to 11-26-03, 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.

 Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 12 Jan 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 11-24-03

Sheet 1 of 2

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

Unit 1 Component 1-RC-102-L3

JOB ORDER No. 02158079-01
 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: RCS ISICLASS 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)
1-RC-102-L3 GLOBE VALVE							
CHAMBER, BONNET	N/A	M&E # 30-035414 ASP # 15932	N/A	ASME SA 479 NITRONIC 50	N/A	Replacement	NO
BOLT, BONNET CLAMP 3/8 IN DIA 16 TPI	N/A	M&E # 30-035246 ASP # 26038	N/A	ASME SA 193 GR B8M	N/A	Replacement	NO

7. Description of Work Installed new Valve Bonnet Chamber and Bonnet Clamp Bolt.

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

INIT. Jay
28 Jan 04

FORM NIS-2 (Back)
Job Order/File 02158079-01

9. Remarks: VT-2 Performed per JOA # R0231394-01.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Welding Supervisor Date JAN 27, 20 04
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 04-22-03 to 11-26-03, 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 *JA Hines* Commissions MI 300471
National Board, State, Province, and Endorsements

Date 28 Jan 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 11-05-03
 Sheet 1 of 2

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

Unit 1 Component 1-RH-108E
 JOB ORDER No. 01256024-04
 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: RHR 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)
1-RH-108E CHECK VALVE							
ROD, THREADED 7/8 IN DIA 9 UNC	N/A	M&E # 30-212323 ASP # 26263 ASP # 28292	N/A	ASME SA 193 GR B8M	N/A	Replacement	NO
NUT, HEX 7/8 IN 9UNC	N/A	M&E # 30-212110 ASP # 19704	N/A	ASME SA 194 GR 8F	N/A	Replacement	NO

7. Description of Work Installed new Valve Body to Bonnet Bolting

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

INIT. Jah
28 Jan 04

FORM NIS-2 (Back)
Job Order/File 01256024-04

9. Remarks: NONE
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed Dewayne Immons Maintenance Welding Supervisor Date JAN 26, 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 04-22-03 to 11-26-03, 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.

J.A. Amin Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 11-24-03
 Sheet 1 of 2

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

Unit 1 Component 1-SI-158-L1
 JOB ORDER No. 002131019-06
 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 SI 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)
VALVE 1-SI-158-L1							
BONNET, VALVE	VELAN	N/A	N/A	ASTM A 182 F316 (Existing)	N/A	REPAIR	NO

7. Description of Work Repaired existing Valve Bonnet by machining.

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

085
 INIT JAH
28 Jan 04

FORM NIS-2 (Back)
Job Order/File 02131019-06

9. Remarks: VT-2 was performed under JOA # R0231394-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIRED 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 26, 20 04
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 04-22-03 to 11-26-03, 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.

 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 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 11-24-03
 Sheet 1 of 2

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

Unit 1 Component 1-SV-1A-1
 JOB ORDER No. R0235214-04
 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: MS ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. N/A Code Case (See Remarks Sect 9)
 (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)
1-SV-1A-1							
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6305 P.O. 190-24194 ASP # 28206	N/A	3707RA-RT21 (MODEL #)	N/A	REPAIRED	YES
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6305 P.O. 190-24194 ASP # 28206	N/A	3707RA-RT21 (MODEL #)	N/A	Replacement	YES
DISC, VALVE	DRESSER	SN # ADI 71 M&E # 30-037699 ASP # 26647	N/A	ASME SB 637 (Inconnel X-750)	2002	Replacement	YES

7. Description of Work Repaired Valve by Lapping Nozzle and Replacing Valve Disc.

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

087
 INIT. JCH
28 Jan 04

FORM NIS-2 (Back)
Job Order/File R0235214-04

9. Remarks: Section 5 (a) Valve and Replacement Part(s) Code of Construction ASME Sec III 68 Edition s'69 Addenda.
Applicable Manufacturer's Data Reports to be attached

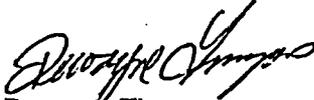
VT-2 Performed by JOA # R0215214-08. Valve was refurbished by Certified Vendor, FORM NVR-1 is attached. A
replacement/new valve disc was installed during refurbishment/testing process, FORM N-2 is attached. Existing valve SN
BN6308 was removed from plant installed location and spare valve SN BN6305 was installed.

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

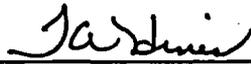
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Welding Supervisor Date JAN 26, 20 04
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 04-22-03 to 11-26-03, 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.

 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 20 04

**FORM NVR-1 REPORT OF REPAIR REPLACEMENT
OF NUCLEAR PRESSURE RELIEF DEVICES**

1. Work performed by: NWS Technologies, LLC Purchase Order # 190-0000024194
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: American Electric Power, 500 Circle Drive Buchanan, MI 49107
- 3/4. Owner - name, address and identification of nuclear power plant: American Electric Power, Cook Nuclear Plant, One Cook Place Bridgmen, MI 49106
5. a: Repaired pressure relief device: Main Steam Safety Valve
 b: Name of manufacturer: Consolidated / Dresser
 c: Identifying nos.
- | | | | | | | |
|-----------------------|--|----------------------------|--------------------------|--------------------------------|-----------------------------|---------------------------|
| | <u>3707RA-RT21</u> | <u>BN6305</u> | <u>n/a</u> | <u>steam</u> | <u>6"</u> | <u>n/a</u> |
| | <small>(type)</small> | <small>(mfr's S/N)</small> | <small>(NB#)</small> | <small>(service)</small> | <small>(size)</small> | <small>(yr.built)</small> |
| d: Construction Code: | <u>ASME Section III</u> | <u>1968</u> | <u>S '69</u> | <u>n/a</u> | <u>2</u> | |
| | <small>(name/section/division)</small> | <small>(edition)</small> | <small>(addenda)</small> | <small>(Code Cases(s))</small> | <small>(Code Class)</small> | |
6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1968 S '69 n/a
(edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1065 psig
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Tested using steam, disassembled, replaced disc, lapped, cleaned, lubricated, reassembled, set-pressure & tightness certified on steam.
12. Remarks: Replaced disc. New disc S/N ADI71. NWS traveler # 02-150.

CERTIFICATE OF COMPLIANCE

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2003.
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2003.

1/9/03 NWS Technologies, LLC *Cesar V. Sierra* Manager, QA
Date Repair Organization Authorized representative Title

CERTIFICATE OF INSPECTION

I, Carl R. Enos holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of Tennessee and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 1/9/03 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

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

1/9/03 *Carl R. Enos* NB # 8460, A, N, 1 TN# 2236
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

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

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)

2. Manufactured for American Electric Power Co. DC Cook Nuc Plt / Nuc Gen Group 500 Circle Dr Buchanan, Michigan 49107-
(name and address of purchaser)

3. Location of installation American Electric Power Co. DC Cook Nuclear Plant One Cook Place Bridgeman, Michigan 49106-
(name and address)

4. Type OS283 SB637 (Inconel X-750) 170 KSI N/A 2002
(drawing no.) (matl spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code Section III, Division 1: 1968 Summer 1969 A Article 9 N/A
(edition) (addenda date) (class) (Code Case no.)

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

7. Remarks: Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A

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

	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	ADI66		(26)		
(2)	ADI67		(27)		
(3)	ADI68		(28)		
(4)	ADI69		(29)		
(5)	ADI70		(30)		
(6)	ADI71		(31)		
(7)	ADI72		(32)		
(8)	ADI73		(33)		
(9)	ADI74		(34)		
(10)	ADI75		(35)		
(11)	ADI76		(36)		
(12)	ADI77		(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

0. Design pressure N/A psi Temp. N/A °F. Hydro. Test pressure 2250 PSIG at temp. °F
(when applicable)

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

FORM N-2 (Back — Pg. 2 of 2)

Certificate Holder's Serial Nos. AD166 through AD177

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)
Design report* certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004

Date 3-20-02 Name SEE LINE 1 Signed V L Beaman
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State or Province
of LOUISIANA and employed by HSB CT
of HARTFORD, CT. have inspected these items described in this Data Report on 3/20/02, and state that to the
best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section
III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 3/20/02 Signed [Signature] Commissions Unbilled
(Authorized Nuclear Inspector) (Natl. Bd. (incl. endorsements) and state or prov. and no.)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 11-04-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-SV-1B-4
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0235216-04
 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: MS ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. N/A Code Case (See Remarks Sect 9)
 (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)
1-SV-1B-4							
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6309 P.O. 190-28540 HSP # 32738	N/A	3707RA-RT21 (MODEL #)	N/A	REPAIRED	YES
DISC, VALVE	DRESSER	SN # ADN 01 M&E # 30-037699 ASP # 27622	N/A	ASME SB 637 (Inconel X-750)	2003	Replacement	YES

7. Description of Work Repaired Valve by Lapping Nozzle and Replacing Valve Disc.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

092

INIT JAH
28 Jan 04

FORM NIS-2 (Back)
Job Order/File R0235216-04

9. Remarks: Section 5 (a) Valve and Replacement Part(s) Code of Construction ASME Sec III 68 Edition s'69 Addenda, Applicable Manufacturer's Data Reports to be attached

Valve was refurbished by Certified Vendor, FORM NVR-1 is attached. A replacement/new valve disc was installed during refurbishment/testing process, FORM N-2 is attached. No change in plant installed location occurred during this activity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Welding Supervisor Date JAN 20, 20 04
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 04-22-03 to 11-26-03, 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.

J. Adkins Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 2004

**FORM NVR-1 REPORT OF REPAIR REPLACEMENT
OF NUCLEAR PRESSURE RELIEF DEVICES**

1. Work performed by: NWS Technologies, LLC Purchase Order # NU04-0000028540
131 Venture Boulevard, Spartanburg, SC 29306 190-10/30/03
2. Work performed for: American Electric Power, 500 Circle Drive Buchanan, MI 49107
- 3/4. Owner - name, address and identification of nuclear power plant: American Electric Power, Cook Nuclear Plant, One Cook Place Bridgmen, MI 49106
5. a: Repaired pressure relief device: Main Steam Safety Valve
 b: Name of manufacturer: Consolidated / Dresser
 c: Identifying nos.
- | | | | | | | |
|-----------------------|--|----------------------------|--------------------------|--------------------------------|-----------------------------|---------------------------|
| | <u>3707RA-RT21</u> | <u>BN6309</u> | <u>n/a</u> | <u>steam</u> | <u>6"</u> | <u>n/a</u> |
| | <small>(type)</small> | <small>(mfr's S/N)</small> | <small>(NB#)</small> | <small>(service)</small> | <small>(size)</small> | <small>(yr.built)</small> |
| d: Construction Code: | <u>ASME Section III</u> | <u>1968</u> | <u>S '69</u> | <u>n/a</u> | <u>2</u> | |
| | <small>(name/section/division)</small> | <small>(edition)</small> | <small>(addenda)</small> | <small>(Code Cases(s))</small> | <small>(Code Class)</small> | |
6. ASME Code Section XI applicable for Inservice Inspection: 1989 n/a n/a
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1968 S '69 n/a
(edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1065 psig
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): As-found tested (sat), disassembled, inspected, replaced disc, nozzle seat lapped, cleaned, lubricated, assembled, set-pressure & tightness certified on steam.
12. Remarks: New disc s/n ADN01. NWS Traveler # 03-299.

CERTIFICATE OF COMPLIANCE			
I, <u>Cesar V. Sierra</u> certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.			
National Board Certificate of Authorization No. <u>632</u>	to use the "VR" stamp expires	<u>April 3, 2006.</u>	
National Board Certificate of Authorization No. <u>81</u>	to use the "NR" stamp expires	<u>April 9, 2006.</u>	
<u>10/30/03</u> Date	<u>NWS Technologies, LLC</u> Repair Organization	<u>Cesar Sierra</u> Authorized representative	<u>Manager, QA</u> Title

CERTIFICATE OF INSPECTION	
I, <u>Charles F. Toegel Jr.</u> holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>North Carolina</u> and employed by <u>Hartford Steam Boiler of CT</u> of <u>Hartford, CT</u> have inspected the repair, modification or replacement described in this report on <u>30 Oct. 2003</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.	
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.	
<u>10/30/03</u> Date	<u>Charles F. Toegel Jr.</u> Inspector's Signature
<u>NB # 8462, A, N, I NC# 1073</u> Commissions (NB (Incl endorsements), jurisdiction, & no.)	

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

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)
2. Manufactured for American Electric Power Co. DC Cook Nuc Plt / Nuc Gen Group 500 Circle Dr Buchanan, Michigan 49107-
(name and address of purchaser)
3. Location of installation American Electric Power Co. DC Cook Nuclear Plant One Cook Place Bridgeman, Michigan 49106-
(name and address)
4. Type OS283 SB637 (Inconel X-750) 170 KSI N/A 2003
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code Section III, Division 1: 1968 Summer 1969 A Article 9 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no)
7. Remarks: Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) ADN01	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure N/A psi Temp. N/A °F. Hydro. Test pressure 2250 PSIG at temp. °F
(when applicable)

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

FORM N-2 (Back — Pg. 2 of 2)

Certificate Holder's Serial Nos. ADN01 through _____

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

Design report certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004

Date 3/24/03 Name SEE LINE 1 Signed DW Brenner
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of LOUISIANA and employed by HSB CT of HARTFORD, CT. have inspected these items described in this Data Report on 3/24/03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the data shown above.

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

Date 3/24/03 Signed [Signature] Commissions UNCB
(Authorized Nuclear Inspector) (Nat. Bd. (incl. endorsements) and state or prov. and no.)

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

1. Owner AMERICAN ELECTRIC POWER Date 11-11-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-SV-2A-4
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0235218-04
 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: MS ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add, N/A Code Case (See Remarks Sect 9)
 (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)
1-SV-2A-4							
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6318 P.O. 190-28540 HSP # 32738	N/A	3707RA-RT21 (MODEL #)	N/A	REPAIRED	YES
DISC, VALVE	DRESSER	SN # ADI 75 M&E # 30-037699 ASP # 26647	N/A	ASME SB 637 (Inconel X-750)	2002	Replacement	YES

7. Description of Work Repaired Valve by Lapping Nozzle and Replacing Valve Disc.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

097 INIT. *Jah*
28 Jan 04

FORM NIS-2 (Back)
Job Order/File R0235218-04

9. Remarks: Section 5 (a) Valve and Replacement Part(s) Code of Construction ASME Sec III 68 Edition s'69 Addenda, Applicable Manufacturer's Data Reports to be attached

Valve was refurbished by Certified Vendor, FORM NVR-1 is attached. A replacement/new valve disc was installed during refurbishment/testing process, FORM N-2 is attached. No change in plant installed location occurred during this activity.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed  Dewayne Timmons Maintenance Welding Supervisor Date JAN 26, 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 04-22-03 to 11-26-03, 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.

 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 2004

**FORM NVR-1 REPORT OF REPAIR REPLACEMENT
OF NUCLEAR PRESSURE RELIEF DEVICES**

1. Work performed by: NWS Technologies, LLC Purchase Order # NW04-0000028540
131 Venture Boulevard, Spartanburg, SC 29306 19D @ 10/30/03
2. Work performed for: American Electric Power, 500 Circle Drive Buchanan, MI 49107
- 3/4. Owner - name, address and identification of nuclear power plant: American Electric Power, Cook Nuclear Plant, One Cook Place Bridgmen, MI 49106
5. a: Repaired pressure relief device: Main Steam Safety Valve
 b: Name of manufacturer: Consolidated / Dresser
 c: Identifying nos.
- | | | | | | | |
|-----------------------|--|----------------------------|--------------------------|--------------------------------|-----------------------------|----------------------------|
| | <u>3707RA-RT21</u> | <u>BN6318</u> | <u>n/a</u> | <u>steam</u> | <u>6"</u> | <u>n/a</u> |
| | <small>(type)</small> | <small>(mfr's S/N)</small> | <small>(NB#)</small> | <small>(service)</small> | <small>(size)</small> | <small>(yr. built)</small> |
| d: Construction Code: | <u>ASME Section III</u> | <u>1968</u> | <u>S '69</u> | <u>n/a</u> | <u>2"</u> | |
| | <small>(name/section/division)</small> | <small>(edition)</small> | <small>(addenda)</small> | <small>(Code Cases(s))</small> | <small>(Code Class)</small> | |
6. ASME Code Section XI applicable for Inservice Inspection: 1989 n/a n/a
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1968 S '69 n/a
(edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1075 psig
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): As-found tested (sat), disassembled, inspected, replaced disc, nozzle seat lapped, cleaned, lubricated, assembled, set-pressure & tightness certified on steam.
12. Remarks: New disc s/n ADI75. NWS Traveler # 03-301.

CERTIFICATE OF COMPLIANCE

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.

10/30/03 NWS Technologies, LLC *Cesar V. Sierra* Manager, QA
Date Repair Organization Authorized representative Title

CERTIFICATE OF INSPECTION

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 30 Oct 2003 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

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

10/30/03 *Charles F. Toegel Jr.* NB # 8462, A, N, I NC# 1073
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

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

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)
2. Manufactured for American Electric Power Co. DC Cook Nuc Plt / Nuc Gen Group 500 Circle Dr Buchanan, Michigan 49107-
(name and address of purchaser)
3. Location of installation American Electric Power Co. DC Cook Nuclear Plant One Cook Place Bridgeman, Michigan 49106-
(name and address)
4. Type OS283 SB637 (Inconel X-750) 170 KSI N/A 2002
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code Section III, Division 1: 1968 Summer 1969 A Article 9 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no)
7. Remarks: Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) ADI66		(26)	
(2) ADI67		(27)	
(3) ADI68		(28)	
(4) ADI69		(29)	
(5) ADI70		(30)	
(6) ADI71		(31)	
(7) ADI72		(32)	
(8) ADI73		(33)	
(9) ADI74		(34)	
(10) ADI75		(35)	
(11) ADI76		(36)	
(12) ADI77		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi Temp. N/A °F. Hydro. Test pressure 2250 PSIG at temp. °F
(when applicable)

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

Certificate Holder's Serial Nos. ADI66 through ADI77

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)
 Design report* certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004

Date 3-20-02 Name SEE LINE 1 Signed V L Beaman
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State or Province of LOUISIANA and employed by HSB CT of HARTFORD, CT. have inspected these items described in this Data Report on 3/20/02 , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 3/20/02 Signed [Signature] Commissions [Signature]
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

17A

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 11-24-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-SV-2B-1
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0231386-03
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name
One Cook Place, Bridgman, MI 49106 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System MS ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. N/A Code Case (See Remarks Sect 9)
 (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)
1-SV-2B-1							
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6312 P.O. 190-17353 ASP # 28207	N/A	3707RA-RT21 (MODEL #)	N/A	REPAIRED	YES
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6312 P.O. 190-17353 ASP # 28207	N/A	3707RA-RT21 (MODEL #)	N/A	Replacement	YES
DISC, VALVE	DRESSER	SN # ADI 72 M&E # 30-037699 ASP # 26647	N/A	ASME SB 637 (Inconel X-750)	2002	Replacement	YES

7. Description of Work Repaired Valve by Lapping Nozzle and Replacing Valve Disc.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other VT-2 Pressure N/A psi. Test Temp. N/A F

102 INIT JAD
 28 Jan 04

FORM NIS-2 (Back)
Job Order/File R0231386-03

9. Remarks: Section 5 (a) Valve and Replacement Part(s) Code of Construction ASME Sec III 68 Edition s'69 Addenda.
Applicable Manufacturer's Data Reports to be attached
VT-2 Performed by JOA # R0231386-06. Valve was refurbished by Certified Vendor, FORM NVR-1 is attached. A
replacement/valve disc was installed during refurbishment/testing process, FORM N-2 is attached. Existing valve SN
BN6314 was removed from plant installed location and spare valve SN BN6312 was installed.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed *Dewayne Timmons* Dewayne Timmons Maintenance Supervisor Date JAN 27, 20 04
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 04-22-03 to 11-26-03, 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.

J.A. Hines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 2004

**FORM NVR-1 REPORT OF REPAIR REPLACEMENT
OF NUCLEAR PRESSURE RELIEF DEVICES**

1. Work performed by: NWS Technologies, LLC Purchase Order # 190-0000017353
131 Venture Boulevard, Spartanburg, SC 29306

2. Work performed for: American Electric Power, 500 Circle Drive Buchanan, MI 49107

3/4. Owner - name, address and identification of nuclear power plant: American Electric Power, Cook Nuclear Plant, One Cook Place Bridgmen, MI 49106

5. a: Repaired pressure relief device: Main Steam Safety Valve
 b: Name of manufacturer: Consolidated / Dresser
 c: Identifying nos.

	<u>3707RA-RT21</u>	<u>BN6312</u>	<u>n/a</u>	<u>steam</u>	<u>6"</u>	<u>n/a</u>
	(type)	(mfr's S/N)	(NB#)	(service)	(size)	(yr.built)
d: Construction Code:	<u>ASME Section III</u>	<u>1968</u>	<u>S '69</u>	<u>n/a</u>	<u>2</u>	
	(name/section/division)	(edition)	(addenda)	(Code Cases(s))	(Code Class)	

6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a
 (edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a
 (edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, replacements: 1968 S '69 n/a
 (edition) (addenda) (Code Case(s))

9. Design responsibilities: n/a

10. Opening pressure: 1075 psig
 Set-pressure adjustment made at: NWS Technologies, LLC using steam

11. Description of work (include name and identifying number of replacement parts): A total of 5 repairs and tests were done. Both the disc and spring/washers were replaced twice. Set-pressure and seat tightness were certified using steam.

12. Remarks: New disc S/N ADI72. New spring S/N AAD24. NWS traveler # 01-513.

CERTIFICATE OF COMPLIANCE

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
 National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2003.
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2003.

1/8/03 NWS Technologies, LLC *Cesar V. Sierra* Manager, QA
 Date Repair Organization Authorized representative Title

CERTIFICATE OF INSPECTION

I, Carl R. Enos holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of Tennessee and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 1/9/03 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
 By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

1/9/03 *Carl R. Enos* NB # 8460, A, N, I TN# 2236
 Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

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

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)
2. Manufactured for American Electric Power Co. DC Cook Nuc Plt / Nuc Gen Group 500 Circle Dr Buchanan, Michigan 49107-
(name and address of purchaser)
3. Location of Installation American Electric Power Co. DC Cook Nuclear Plant One Cook Place Bridgeman, Michigan 49106-
(name and address)
4. Type OS283 SB637 (Inconel X-750) 170 KSI N/A 2002
(drawing no.) (matl spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code Section III, Division 1: 1968 Summer 1969 A Article 9 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no)
7. Remarks : Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) ADI66		(26)	
(2) ADI67		(27)	
(3) ADI68		(28)	
(4) ADI69		(29)	
(5) ADI70		(30)	
(6) ADI71		(31)	
(7) ADI72		(32)	
(8) ADI73		(33)	
(9) ADI74		(34)	
(10) ADI75		(35)	
(11) ADI76		(36)	
(12) ADI77		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

0. Design pressure N/A psi Temp. N/A °F Hydro. Test pressure 2250 PSIG at temp. °F
(when applicable)

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

FORM N-2 (Back — Pg. 2 of 2)

Certificate Holder's Serial Nos. AD166 through AD177

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

Design report* certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004

Date 3-20-02 Name SEE LINE 1 Signed V L Beaver
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State or Province of LOUISIANA and employed by HSB CT of HARTFORD, CT. have inspected these items described in this Data Report on 3/20/02, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 3/20/02 Signed [Signature] Commissions Label
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and ind.)

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 11-10-03

Sheet 1 of 2

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

Unit 1 Component 1-SV-2B-2

JOB ORDER No. R0237726-04
 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: MS ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. N/A Code Case (See Remarks Sect 9)
 (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)
1-SV-2B-2							
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6314 P.O. 190-28540 HSP # 32738	N/A	3707RA-RT21 (MODEL #)	N/A	REPAIRED	YES
DISC, VALVE	DRESSER	SN # ADM 32 M&E # 30-037699 ASP # 27622	N/A	ASME SB 637 (Inconel X-750)	2003	Replacement	YES

7. Description of Work Repaired Valve by Lapping Nozzle and Replacing Valve Disc.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

107 INIT JAH
23 Jan 04

FORM NIS-2 (Back)
Job Order/File R0237726-04

9. Remarks: Section 5 (a) Valve and Replacement Part(s) Code of Construction ASME Sec III 68 Edition S '69 Addenda.
Applicable Manufacturer's Data Reports to be attached

Valve was refurbished by Certified Vendor, FORM NVR-1 is attached. A replacement/new valve disc was installed during
refurbishment/testing process, FORM N-2 is attached. Component changed installed location from 1-SV-2B-1 to it's
installed location of 1-SV-2B-2 after refurbishment activities.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

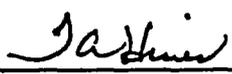
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Dewayne Timmons Maintenance Welding Supervisor Date JAN 26, 20 04
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 04-22-03 to 11-26-03, 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.

 Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 2004

**FORM NVR-1 REPORT OF REPAIR REPLACEMENT
OF NUCLEAR PRESSURE RELIEF DEVICES**

1. Work performed by: NWS Technologies, LLC Purchase Order # NU84-0000028540
131 Venture Boulevard, Spartanburg, SC 29306 *19D 10/30/03*
2. Work performed for: American Electric Power, 500 Circle Drive Buchanan, MI 49107
- 3/4. Owner - name, address and identification of nuclear power plant: American Electric Power, Cook Nuclear Plant, One Cook Place Bridgmen, MI 49106
5. a: Repaired pressure relief device: Main Steam Safety Valve
 b: Name of manufacturer: Consolidated / Dresser
 c: Identifying nos.
- | | | | | | | |
|-----------------------|---|---|--|--|---|--|
| | <u>3707RA-RT21</u>
<small>(type)</small> | <u>BN6314</u>
<small>(mfr's S/N)</small> | <u>n/a</u>
<small>(NB#)</small> | <u>steam</u>
<small>(service)</small> | <u>6"</u>
<small>(size)</small> | <u>n/a</u>
<small>(yr. built)</small> |
| d: Construction Code: | <u>ASME Section III</u>
<small>(name/section/division)</small> | <u>1968</u>
<small>(edition)</small> | <u>S '69</u>
<small>(addenda)</small> | <u>n/a</u>
<small>(Code Cases(s))</small> | <u>2</u>
<small>(Code Class)</small> | |
6. ASME Code Section XI applicable for inservice inspection: 1989
(edition) n/a (Code Case(s)) n/a (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989
(edition) n/a (Code Case(s)) n/a (Code Case(s))
8. Construction Code used for repairs, replacements: 1968
(edition) S '69 (addenda) n/a (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1075 psig
 Set-pressure adjustment made at NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): As-found tested (sat), disassembled, inspected, replaced disc, nozzle seat lapped, cleaned, lubricated, assembled, set-pressure & tightness certified on steam.
12. Remarks: New disc s/n ADM32. NWS Traveler # 03-300.

CERTIFICATE OF COMPLIANCE

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.

10/30/03 NWS Technologies, LLC *Cesar V. Sierra* Manager, QA
Date Repair Organization Authorized representative Title

CERTIFICATE OF INSPECTION

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 30 Oct. 2003 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

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

10/30/03 *Charles F. Toegel Jr.* NB # 8462, A, N, I NC# 1073
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

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

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)

2. Manufactured for American Electric Power Co. DC Cook Nuc Plt / Nuc Gen Group 500 Circle Dr Buchanan, Michigan 49107-
(name and address of purchaser)

3. Location of Installation American Electric Power Co. DC Cook Nuclear Plant One Cook Place Bridgeman, Michigan 49106-
(name and address)

4. Type OS283 SB637 (Inconel X-750) 170 KSI N/A 2003
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code Section III, Division 1: 1968 Summer 1969 A Article 9 N/A
(edition) (addenda date) (class) (Code Case no.)

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

7. Remarks : Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A

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

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) ADM18 ✓		(26)	
(2) ADM20 ✓		(27)	
(3) ADM21 ✓		(28)	
(4) ADM22 ✓		(29)	
(5) ADM23 ✓		(30)	
(6) ADM24 ✓		(31)	
(7) ADM25 ✓		(32)	
(8) ADM26 ✓		(33)	
(9) ADM27 ✓		(34)	
(10) ADM28 ✓		(35)	
(11) ADM29 ✓		(36)	
(12) ADM30 ✓		(37)	
(13) ADM31 ✓		(38)	
(14) ADM32 ✓		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi Temp. N/A °F. Hydro. Test pressure 2250 PSIG at temp. °F
(when applicable)

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

Certificate Holder's Serial Nos. ADM19 through ADM32

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. No. N/A
 (when applicable)
 Design report* certified by N/A P.E. State N/A Reg. No. N/A
 (when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004
 Date 2/19/03 Name SEE LINE 1 Signed DW Gmener
 (NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of LOUISIANA and employed by HSB CT of HARTFORD, CT. have inspected these items described in this Data Report on 02-20-03, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 02-20-03 Signed [Signature] Commissions LA. 798
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

As Required by the Provisions of the ASME Code Section XI

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

Date 11-11-03
 Sheet 1 of 2

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

Unit 1 Component 1-SV-2B-4
 JOB ORDER No. R0235219-04
 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: MS ISI CLASS 2

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. N/A Code Case (See Remarks Sect 9)
 (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)
1-SV-2B-4							
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6319 P.O. 190-28540 HSP # 32738	N/A	3707RA-RT21 (MODEL #)	N/A	REPAIRED	YES
DISC, VALVE	DRESSER	SN # ADI74 M&E # 30-037699 ASP # 26647	N/A	ASME SB 637 (Inconnel X-750)	2002	Replacement	YES

7. Description of Work Repaired Valve by Lapping Nozzle and Replacing Valve Disc.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)
Job Order/File R0235219-04

9. Remarks: Section 5 (a) Valve and Replacement Part(s) Code of Construction ASME Sec III 68 Edition s'69 Addenda.
Applicable Manufacturer's Data Reports to be attached

Valve was refurbished by Certified Vendor, FORM NVR-1 is attached. A replacement/new valve disc was installed during
refurbishment/testing process, FORM N-2 is attached. No change in plant installed location occurred during this activity.

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 Jimms* Maintenance Welding Supervisor Date JAN 26, 20 04
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 04-22-03 to 11-26-03, 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.

J. A. Hines Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 2004

**FORM NVR-1 REPORT OF REPAIR REPLACEMENT
OF NUCLEAR PRESSURE RELIEF DEVICES**

1. Work performed by: NWS Technologies, LLC Purchase Order # NW04-0000028540
131 Venture Boulevard, Spartanburg, SC 29306 190 @ 10/30/03
2. Work performed for: American Electric Power, 500 Circle Drive Buchanan, MI 49107
- 3/4. Owner - name, address and identification of nuclear power plant: American Electric Power, Cook Nuclear Plant, One Cook Place Bridgmen, MI 49106
5. a: Repaired pressure relief device: Main Steam Safety Valve
 b: Name of manufacturer: Consolidated / Dresser
 c: Identifying nos.
- | | | | | | | |
|-----------------------|--|----------------------------|--------------------------|--------------------------------|-----------------------------|----------------------------|
| | <u>3707RA-RT21</u> | <u>BN6319</u> | <u>n/a</u> | <u>steam</u> | <u>6"</u> | <u>n/a</u> |
| | <small>(type)</small> | <small>(mfr's S/N)</small> | <small>(NB#)</small> | <small>(service)</small> | <small>(size)</small> | <small>(yr. built)</small> |
| d: Construction Code: | <u>ASME Section III</u> | <u>1968</u> | <u>S '69</u> | <u>n/a</u> | <u>2</u> | |
| | <small>(name/section/division)</small> | <small>(edition)</small> | <small>(addenda)</small> | <small>(Code Cases(s))</small> | <small>(Code Class)</small> | |
6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1968 S '69 n/a
(edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1075 psig
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): As-found tested (sat), disassembled, inspected, replaced disc; nozzle seat lapped, cleaned, lubricated, assembled, set-pressure & tightness certified on steam.
12. Remarks: New disc s/n ADI74. NWS Traveler # 03-302.

CERTIFICATE OF COMPLIANCE

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.

10/30/03 NWS Technologies, LLC *Cesar Sierra* Manager, QA
Date Repair Organization Authorized representative Title

CERTIFICATE OF INSPECTION

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 30 Oct. 2003 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

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

10/30/03 *Charles F. Toegel Jr.* NB # 8462, A, N, I NC# 1073
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

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

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)
2. Manufactured for American Electric Power Co. DC Cook Nuc Plt / Nuc Gen Group 500 Circle Dr Buchanan, Michigan 49107-
(name and address of purchaser)
3. Location of Installation American Electric Power Co. DC Cook Nuclear Plant One Cook Place Bridgeman, Michigan 49106-
(name and address)
4. Type OS283 SB637 (Inconel X-750) 170 KSI N/A 2002
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code Section III, Division 1: 1968 Summer 1969 A Article 9 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no)
7. Remarks : Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) ADI66		(26)	
(2) ADI67		(27)	
(3) ADI68		(28)	
(4) ADI69		(29)	
(5) ADI70		(30)	
(6) ADI71		(31)	
(7) ADI72		(32)	
(8) ADI73		(33)	
(9) ADI74		(34)	
(10) ADI75		(35)	
(11) ADI76		(36)	
(12) ADI77		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi Temp. N/A °F. Hydro. Test pressure 2250 PSIG at temp. °F
(when applicable)

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

Certificate Holder's Serial Nos. AD166 through AD177

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

Design report* certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004

Date 3-20-02 Name SEE LINE 1 Signed V L Beaven
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of LOUISIANA and employed by HSB CT of HARTFORD, CT. have inspected these items described in this Data Report on 3/20/02, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 3/20/02 Signed [Signature] Commissions Label
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 11-24-03
 Name _____
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address _____
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-SV-3-1
 Name _____
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0235215-04
 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 MS ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. N/A Code Case (See Remarks Sect 9)
 (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)
1-SV-3-1							
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BL1069 P.O. 190-17353 ASP # 19438	N/A	3707RA-RT21 (MODEL #)	1995	REPAIRED	YES
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BL1069 P.O. 190-17353 ASP # 19348	N/A	3707RA-RT21 (MODEL #)	1995	Replacement	YES
DISC, VALVE	DRESSER	SN # ADG 54 P.O. 190-17353	N/A	ASME SB 637 (Inconel X-750)	2001	REPAIRED	YES
DISC, VALVE	DRESSER	SN # ADG 54 M&E # 30-037699 ASP # 26033	N/A	ASME SB 637 (Inconel X-750)	2001	Replacement	YES
SPINDLE, VALVE	DRESSER	M&E # 30-037815 ASP # 12367	N/A	ASME SA479 GR 316	N/A	Replacement	NO

7. Description of Work Repaired Valve by Lapping Nozzle and Replacing Valve Disc & Spindle. See Sect 9.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other VT-2 Pressure N/A psi. Test Temp. N/A F

INIT Jah
117 28 Jan 04

FORM NIS-2 (Back)
Job Order/File R0235215-04

9. Remarks: Section 5 (a) Valve and Replacement Part(s) Code of Construction ASME Sec III 68 Edition s'69 Addenda, Applicable Manufacturer's Data Reports to be attached
Section 7 Valve Disc Re-Oxidized due to previous lapping of Hard Facing. VT-2 Performed by JOA # R0215215-10. Valve
was refurbished by Certified Vendor, FORM NVR-1 is attached. A replacement/valve disc was installed during refurbishment
/testing process, FORM N-2 is attached. Existing valve SN BN6320 was removed from plant installed location and spare
valve SN BL1069 was installed.

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

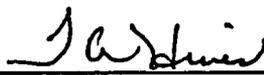
Certificate of Authorization No. N/A Expiration Date N/A

Signed  Maintenance Supervisor Date JAN 26, 20 04
 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 04-22-03 to 11-26-03, 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.

 Commissions MI 300471
 Inspector's Signature National Board, State, Province, and Endorsements

Date 28 Jan 2004

**FORM NVR-1 REPORT OF REPAIR REPLACEMENT
OF NUCLEAR PRESSURE RELIEF DEVICES**

1. Work performed by: NWS Technologies, LLC Purchase Order # NU04-0000017353 Rev. 1
131 Venture Boulevard, Spartanburg, SC 29306

2. Work performed for: American Electric Power, 500 Circle Drive, Buchanan, MI 49107

3/4. Owner - name, address and identification of nuclear power plant: American Electric Power, Cook Nuclear Plant, One Cook Place Bridgmen, MI 49106

5. a: Repaired pressure relief device: Main Steam Safety Valve
b: Name of manufacturer: Consolidated / Dresser
c: Identifying nos.

	<u>3707RA-RT21</u>	<u>BL1069</u>	<u>n/a</u>	<u>steam</u>	<u>6"</u>	<u>1995</u>
	(type)	(mfr's S/N)	(NB#)	(service)	(size)	(yr.built)
d: Construction Code:	<u>ASME Section III</u>	<u>1968</u>	<u>S '69</u>	<u>n/a</u>	<u>2</u>	
	(name/section/division)	(edition)	(addenda)	(Code Cases(s))	(Code Class)	

6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a
(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a
(edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, replacements: 1968 S '69 n/a
(edition) (addenda) (Code Case(s))

9. Design responsibilities: n/a

10. Opening pressure: 1085 psig
Set-pressure adjustment made at: NWS Technologies, LLC using steam

11. Description of work (include name and identifying number of replacement parts): 2 repair & retest cycles. Replaced spindle and disc. Final set-pressure certification and seat tightness test done on steam.

12. Remarks: The spindle and disc were replaced with AEP provided components. NWS Traveler # 01-512.

CERTIFICATE OF COMPLIANCE

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2003.
National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2003.
2/1/02 NWS Technologies, LLC [Signature] Manager, QA
Date Repair Organization Authorized representative Title

CERTIFICATE OF INSPECTION

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 01 FEB. 2002 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
2/1/02 [Signature] NB # 8462, A, N, I NC# 1073
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

**As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production**

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)

2. Manufactured for American Electric Power Co. DC Cook Nuc Plt / Nuc Gen Group 500 Circle Dr Buchanan, Michigan 49107-
(name and address of purchaser)

3. Location of installation American Electric Power Co. DC Cook Nuclear Plant One Cook Place Bridgeman, Michigan 49106-
(name and address)

4. Type OS328 SB637 (Inconel X-750) N/A N/A 2001
(drawing no.) (mat'l spec. no.) (tensile strength) (GRN) (year built)

5. ASME Code Section III, Division 1: 1968 Summer 1989 A Vessels, Article 9 N/A
(edition) (addenda date) (class) (Code Case no.)

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

7. Remarks : Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
 B. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) ADG53		(26)	
(2) ADG54		(27)	
(3) ADG55		(28)	
(4) ADG56		(29)	
(5) ADG57		(30)	
(6) ADG58		(31)	
(7) ADG59		(32)	
(8) ADG63		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi Temp. N/A °F. Hydro. Test pressure 2250 PSIG at temp. °F
(when applicable)

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

Certificate Holder's Serial Nos. ADG53 through ADG59 & ADG63

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

Design report* certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004

Date 8/27/2004 Name SEE LINE 1 Signed [Signature]
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of LOUISIANA and employed by H. S. B. I. & I. Co. of HARTFORD, CT. have inspected these items described in this Data Report on 8/27/04; and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 8/27/04 Signed [Signature] Commissions [Signature]
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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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 Date 11-11-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-SV-3-4
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0235217-04
 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: MS ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed, N/A Add. N/A Code Case (See Remarks Sect 9)
 (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)
1-SV-3-4							
SAFETY RELIEF VALVE (6 X 10)	CONSOLIDATED/DRESSER	SN # BN6323 P.O. 190-28540 HSP # 32738	N/A	3707RA-RT21 (MODEL #)	N/A	REPAIRED	YES
DISC, VALVE	DRESSER	SN # ADI 02 M&E # 30-037699 ASP # 26647	N/A	ASME SB 637 (Inconel X-750)	2001	Replacement	YES
NUT, HEX 7/8 IN DIA 9UNC	N/A	M&E # 30-211900 ASP # 27590	N/A	ASME SB 194 GR 2H	N/A	Replacement	NO
ROD, THREADED 7/8 IN DIA 9UNC	N/A	M&E # 30-211630 ASP # 28293	N/A	ASME SA 193 GR B7	N/A	Replacement	NO

7. Description of Work Repaired Valve by Lapping Nozzle and Replacing Valve Disc. Replaced Outlet Bolting
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NONE Pressure N/A psi. Test Temp. N/A F

FORM NIS-2 (Back)
Job Order/File R0235217-04

9. Remarks: Section 5 (a) Valve and Replacement Part(s) Code of Construction ASME Sec III 68 Edition s'69 Addenda.
Applicable Manufacturer's Data Reports to be attached

Valve was refurbished by Certified Vendor, FORM NVR-1 is attached. A replacement/new valve disc was installed during
refurbishment/testing process, FORM N-2 is attached. No change in plant installed location occurred during this activity.

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 26, 20 04
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 4-22-03 to 11-26-03, 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.

 Commissions MI 300471
Inspector's Signature National Board, State, Province, and Endorsements
Date 28 Jan 2004

**FORM NVR-1 REPORT OF REPAIR REPLACEMENT
OF NUCLEAR PRESSURE RELIEF DEVICES**

1. Work performed by: NWS Technologies, LLC Purchase Order # NH64-0000028540
131 Venture Boulevard, Spartanburg, SC 29306 190 @ 10/30/03

2. Work performed for: American Electric Power, 500 Circle Drive Buchanan, MI 49107

3/4. Owner - name, address and identification of nuclear power plant: American Electric Power, Cook Nuclear Plant, One Cook Place Bridgmen, MI 49106

5. a: Repaired pressure relief device: Main Steam Safety Valve
 b: Name of manufacturer: Consolidated / Dresser
 c: Identifying nos.

	<u>3707RA-RT21</u>	<u>BN6323</u>	<u>n/a</u>	<u>steam</u>	<u>6"</u>	<u>n/a</u>
	(type)	(mfr's S/N)	(NB#)	(service)	(size)	(yr. built)
d: Construction Code:	<u>ASME Section III</u>	<u>1968</u>	<u>S '69</u>	<u>n/a</u>	<u>2</u>	
	(name/section/division)	(edition)	(addenda)	(Code Cases(s))	(Code Class)	

6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a
 (edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a
 (edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, replacements: 1968 S '69 n/a
 (edition) (addenda) (Code Case(s))

9. Design responsibilities: n/a

10. Opening pressure: 1085 psig
 Set-pressure adjustment made at: NWS Technologies, LLC using steam

11. Description of work (include name and identifying number of replacement parts): As-found tested (sat), disassembled, inspected, replaced disc, nozzle seat lapped, cleaned, lubricated, assembled, set-pressure & tightness certified on steam.

12. Remarks: New disc s/n ADI02. NWS Traveler # 03-304.

CERTIFICATE OF COMPLIANCE

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
 National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.
10/30/03 NWS Technologies, LLC [Signature] Manager, QA
 Date Repair Organization Authorized representative Title

CERTIFICATE OF INSPECTION

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 30 Oct 2003 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.
 By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.
10/30/03 [Signature] NB # 8462, A, N, I NC# 1073
 Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

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

1. Manufactured and certified by Dresser Flow Control, Dresser Inc. La. Hwy 3225 @ US Hwy 167 N
P. O. Box 1430 Alexandria, Louisiana 71309-1430
(name and address of NPT Certificate Holder)
2. Manufactured for American Electric Power Co. DC Cook Nuc Plt / Nuc Gen Group 500 Circle Dr Buchanan, Michigan 49107-
(name and address of purchaser)
3. Location of Installation American Electric Power Co. DC Cook Nuclear Plant One Cook Place Bridgeman, Michigan 49106-
(name and address)
4. Type OS283 SB637 (Inconel X-750) N/A N/A 2001
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code Section III, Division 1: 1968 Summer 1969 A Vessels, Article 9 N/A
(edition) (addenda data) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no)
7. Remarks : Serial Numbers Are Used In Lieu Of NPT Stamping.

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1) ADI02		(26)	
(2) ADI16		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure N/A psi Temp. N/A °F. Hydro. Test pressure 2250 PSIG at temp. °F
(when applicable)

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

FORM N-2 (Back — Pg. 2 of 2)

Certificate Holder's Serial Nos. AD102 and AD116

CERTIFICATION OF DESIGN

Design specifications certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)
Design report* certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

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

NPT Certificate of Authorization No. N-2434 Expires 5/20/2004
Date 2-15-02 Name SEE LINE 1 Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel inspectors and the State or Province
of LOUISIANA and employed by HSB CT
of HARTFORD, CT. have inspected these items described in this Data Report on 2/18/02, and state that to the
best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section
III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 2/18/02 Signed [Signature] Commissions 27664
(Authorized Nuclear Inspector) (Natl. Bd. (incl. endorsements) and state or prov. and no.)

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 11-15-03
 Name _____
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address _____
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-SV-45A
 Name _____
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0231375-06
 Address _____ Repair Org. P.O. No., Job No., etc _____
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name _____ Authorization No. N/A
One Cook Place, Bridgman, MI 49106 Expiration Date N/A
 Address _____
4. Identification of System RCS 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)
1-SV-45A							
SAFETY RELIEF VALVE (6 M 6)	Crosby	S/N # RV-1-8010A M&E # 30-036392 ASP # 28303	N/A	ASME SA351 GR CF8M	N/A	Replacement	YES

7. Description of Work Installed valve was removed and replaced with tested spare valve.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NDE: VT-1, VT-2, VT-3 Pressure N/A psi. Test Temp. N/A F

127
 INIT JCH
13 Nov 04

FORM NIS-2 (Back)
Job Order/File R0231375-06

9. Remarks: VT-1 Performed on existing bolting. VT-3 performed on replacement valve per JOA #R0231375-07.
Applicable Manufacturer's Data Reports to be attached

VT-2 performed per JOA # R0231394-01. Valve was inspected and tested by Vendor per PO # NU190-0000029078; no
repairs or replacements were performed during this process. No bolting was replaced.

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

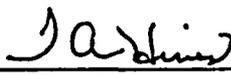
Signed  Dewayne Jimmons Maintenance Welding Supervisor Date JAN 13, 2004
Owner or Owner's Designee, Title

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 4/22/03 to 11/26/03, 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.

 Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 13 Jan 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 Date 11-15-03
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-SV-45B
 Name
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0233565-06
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name
One Cook Place, Bridgman, MI 49106 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System RCS 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)
1-SV-45B							
SAFETY RELIEF VALVE (6 M 6)	Crosby	S/N # RV-1-8010B M&E # 30-036392 ASP # 28303	N/A	ASME SA351 GR CF8M	N/A	Replacement	YES

7. Description of Work Installed valve was removed and replaced with tested spare valve.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NDE: VT-2, VT-3 Pressure N/A psi. Test Temp. N/A F

INIT Jan
13 Jan 04

FORM NIS-2 (Back)
Job Order/File R0233565-06

9. Remarks: VT-3 performed on replacement valve per JOA #R0233565-07. VT-2 performed per JOA # R0231394-01.
Applicable Manufacturer's Data Reports to be attached

Valve was inspected and tested by Vendor per PO # NU190-0000029078; no repairs or replacements were performed
during this process. No bolting was replaced.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Dewayne Timmons* Maintenance Welding Supervisor Date JAN 13, 20 04
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 4-22-03 to 11-26-03, 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.

J. Arline Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 13 Jan 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 11-15-03
 Name _____
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address _____
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 1 Component 1-SV-45C
 Name _____
One Cook Place, Bridgman, MI 49106 JOB ORDER No. R0233564-06
 Address _____ Repair Org. P.O. No., Job No., etc _____
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A
 Name _____ Authorization No. N/A
One Cook Place, Bridgman, MI 49106 Expiration Date N/A
 Address _____
4. Identification of System RCS 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)
1-SV-45C							
SAFETY RELIEF VALVE (6 M 6)	Crosby	S/N # RV-2-8010B M&E # 30-036392 ASP # 28303	N/A	ASME SA351 GR CF8M	N/A	Replacement	YES

7. Description of Work Installed valve was removed and replaced with tested spare valve.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other NDE: VT-2, VT-3 Pressure N/A psi. Test Temp. N/A F

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INIT. JAH
130-04

FORM NIS-2 (Back)
Job Order/File R0233564-06

9. Remarks: VT-3 performed on replacement valve per JOA #R0233564-07. VT-2 performed per JOA # R0231394-01.
Applicable Manufacturer's Data Reports to be attached

Valve was inspected and tested by Vendor per PO # NU190-0000029078; no repairs or replacements were performed
during this process. No bolting was replaced.

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

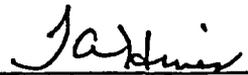
Signed  Maintenance Welding Supervisor Date JAN 13, 2004
Owner or Owner's Designee, Title

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 4-22-03 to 11-24-03, 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.

 Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 13 Jan 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 11-24-03
 Sheet 1 of 2

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

Unit 1 Component 1-SV-53
 JOB ORDER No. R0243616-01
 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: CVCS 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)
1-SV-53 RELIEF VALVE (3 L 4)							
VALVE, RELIEF	ANDERSON GREENWOOD CROSBY	SN N69958-00-0009 M&E # 30-036400 ASP # 26308	N/A	ASME SA 351 GR CF8M (BODY)	2001	Replacement	YES

7. Description of Work Installed New Relief 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 R0243616-01

9. Remarks: Line 5a: Replacement Valve Code of Construction: ASME Sec VIII 1965 Ed. No Add.
Applicable Manufacturer's Data Reports to be attached

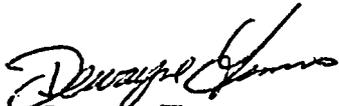
VT-2 performed by JOA # 03202027-02.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed  Dewayne Timmons Maintenance Welding Supervisor Date JAN 13, 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 4-22-03 to 11-26-03, 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.

 Commissions MI-300471
Inspector's Signature National Board, State, Province, and Endorsements

Date 13 Jan 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 11-24-03
Sheet 1 of 2

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

Unit 1 Component 1-SV-54
JOB ORDER No. R0210777-01
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: CCW 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)
1-SV-54 RELIEF VALVE (2 J 3)							
VALVE, RELIEF	ANDERSON GREENWOOD CROSBY	SN N69963-00-0016 M&E # 30-036399 ASP # 26253	N/A	ASME SA 351 GR CF8M (BODY)	2001	Replacement	NO

7. Description of Work Installed new Relief Valve and associated bolting.

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 R0210777-01

9. Remarks: 5a: Replacement Valve Code of Construction: ASME Sec VIII 1965 Ed. No Add.
Applicable Manufacturer's Data Reports to be attached

VT-2 performed by JOA # R0210777-03

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NONE

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

Signed Dewayne Timmons Maintenance Welding Supervisor Date JAN 11, 20 04
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 4-22-03 to 11-26-03, 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 J. J. Jones Commissions MI-300471
National Board, State, Province, and Endorsements

Date 12 Jan 2004