



**Indiana Michigan  
Power Company**  
Nuclear Generation Group  
One Cook Place  
Bridgman, MI 49106  
aep.com

July 24, 2008

AEP-NRC-2008-12  
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

This letter provides a copy of the Inservice Inspection Summary Report for activities performed at Donald C. Cook Nuclear Plant (CNP), Unit 1, National Board (State of Michigan) Number, 20761 (Mich. M-096762-M), located in Bridgman, Michigan, for the period of November 14, 2006, to April 29, 2008. The plant is owned by Indiana Michigan Power Company, P.O. Box 60, Fort Wayne, IN, 46801.

The commercial service date of CNP Unit 1 is August 23, 1975, and the Authorized Code Inspector is Mr. R. K. Schenck, who is employed by OneCIS Insurance Co., of Boston, Massachusetts.

The examinations, tests, replacements, repairs performed, conditions observed, and corrective measures taken are summarized in the attached report. One required NIS-2, Owner Report of Repairs or Replacements, was not available for this Summary Report due to a missed preservice examination. This NIS-2 report will be provided in a subsequent submittal. Inservice inspection activities were performed in accordance with the rules and requirements of the American Society of Mechanical Engineers' Code, Section XI, 1989 Edition (no Addenda) and 1992 Edition with the 1992 Addenda, as applicable.

There are no new or revised commitments in this letter. Should you have any questions, please contact Mr. John A. Zwolinski, Regulatory Affairs Manager, at (269) 466-2478.

Sincerely,

Joseph N. Jensen  
Site Support Services Vice President

HLE/jen

Attachment: Inservice Inspection Summary Report for the Donald C. Cook Nuclear Plant, Unit 1,  
Unit 1 Cycle 22, 2008 Refueling Outage.

A047  
NRR

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

Attachment to AEP:NRC:2008-12

Inservice Inspection Summary Report for the  
Donald C. Cook Nuclear Plant  
Unit 1 Cycle 22 2008 Refueling Outage

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

Unit 1 Cycle 22  
2008 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 November 14, 2006 to April 29, 2008.

July 3, 2008

Prepared by: Paul R. Donavin Date: 7-3-08  
Paul Donavin  
ISI Program Owner

Reviewed by: James M. Fitchuk Date: 7-8-08  
Jim Fitchuk  
IWE/L and Snubber Program Owner

Reviewed by: R. Pickard Date: 07/15/2008  
Rodney Pickard  
Program Supervisor

Reviewed by: Carl Lane Date: 7/15/08  
Carl Lane  
Programs Manager

Approved by: Carl Lane for Q. Shane Lies Date: 7/15/08  
Q. Shane Lies  
Plant Engineering Director

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

Report of Inservice Inspections  
From November 14, 2006, to April 29, 2008

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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 Donald C. Cook Nuclear Plant, Unit 1, for the period November 14, 2006, to April 29, 2008. This report addresses examinations and activities associated with the Third Ten-Year Interval's First Outage of the Third Inspection Period, Unit 1 Cycle 22 Refueling Outage. 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. Examinations 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: 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                | 20761                 |
| Steam Generator 1-OME-3-1                            | Babcock & Wilcox / Westinghouse | 7803-02 / 1121                          | M 96764 M                | 195 / 6831            |
| Steam Generator 1-OME-3-2                            | Babcock & Wilcox / Westinghouse | 7803-02 / 1122                          | M 96765 M                | 193 / 6832            |
| Steam Generator 1-OME-3-4                            | Babcock & Wilcox / Westinghouse | 7803-03 / 1124                          | M 96767 M                | 194 / 6834            |
| Reactor Coolant Pumps PP-45-1                        | Westinghouse                    | 1 - 618J881                             | ----                     | ----                  |
| Excess Letdown Heat Exchanger (1-HE-13)              | Westinghouse                    | 1158                                    | ----                     | ----                  |
| East Residual Heat Removal Heat Exchanger (1-HE-17E) | Engineers and Fabricators       | S-15586-A                               | ----                     | 1102                  |
| West Residual Heat Removal Heat Exchanger (1-HE-17W) | Engineers and Fabricators       | S-15586-B                               | ----                     | 1103                  |
| West Containment Spray Heat Exchanger (1-HE-18W)     | Yuba                            | 69-G-226-1C                             | ----                     | ----                  |
| Component Supports                                   | Grinnell                        | Enclosed List                           | ----                     | ----                  |



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

8. Examination Dates: November 14, 2006, to April 29, 2008

9. Inspection Period Identification: Third

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.

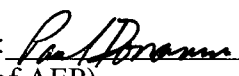
See Sections 3, 4, 5, 6, and 7

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.

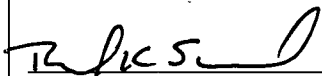
Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date: July 3, 2008 Signed: Indiana Michigan Power Co By:   
Owner (Wholly Owned Subsidiary of AEP)

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by One CIS Insurance Co. of Boston, MA have inspected the components described in this Owner's Report during the period November 14, 2006 to April 29, 2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Inspector's Signature

Commissions Michigan 300959, NB 11412, Endorsements; A, N & I  
National Board, State, Province, and Endorsements

Date July 3 20 08

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

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

SECTION 3

Inservice examinations were performed during the period November 14, 2006, to April 29, 2008. This report addresses examinations and activities associated with the Third Ten-Year Interval's First Outage of the Third Inspection Period, Unit 1 Cycle 22 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 (CNP), 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 Nuclear Regulatory Commission (NRC) Bulletin 2001-01. No evidence of PWSCC was observed.

System pressure tests did not reveal any degradation of the system pressure boundary. The operating group walkdown at 1000 psig discovered a socket weld leaking near 1-NFP-222-V2 on the Loop 2 crossunder pipe. This was a non-isolable leak from the RCS. The socket weld was repaired, examined, and tested in accordance with Code Case N-666 and relief request ISIR-22.

Pipe support 1-GSI-L-47A was corrected under WO 55317177-01 and sample expansion under WO 55317451. Pipe support 1-GSI-L-53 was corrected under WO 55317887-01 and second sample expansion was conducted under WO 55317451 and WO 55317932. The same supports in Unit 2 were examined to determine the extent of the condition. The Unit 2 supports were acceptable.

During a scheduled ISI depressurized walk down of 1-HE-13 (Excess Letdown Heat Exchanger), evidence of leakage was identified at the head to flange connection. The evaluation by the Boric Acid Program owner accepted the condition per CE 00828717-01. The results were acceptable and the VT-2 performed at nominal operating pressure did not identify any additional leakage.

Nondestructive ISI examinations were performed by Wesdyne (Westinghouse) and Indiana Michigan Power Company (I&M) personnel in accordance with procedures approved for use at CNP.

**Inservice Inspection Report**  
Interval 3 / Period 3 / Outage 1

| Summary No.                 | Comp. ID  | Component Description | Item  | Procedure  | Method/Report/Results   | System | Dwg/ISO | Exam Date |
|-----------------------------|-----------|-----------------------|-------|------------|-------------------------|--------|---------|-----------|
| <b>Class 1 Category B-B</b> |           |                       |       |            |                         |        |         |           |
| 011900                      | STM-11-01 | S/G 11                | B2.40 | ISI-UT-208 | UT / UT-08-048 / Accept | RC     | A-6     | 4/2/2008  |

|                             |          |                    |       |              |                         |     |    |          |
|-----------------------------|----------|--------------------|-------|--------------|-------------------------|-----|----|----------|
| <b>Class 1 Category B-F</b> |          |                    |       |              |                         |     |    |          |
| 011200                      | 1-PRZ-23 | PRZ Nozzle Overlay | B5.40 | WDI-STD-1007 | UT / UT-08-038 / Accept | PRZ | A4 | 4/8/2008 |

|                               |                      |                       |       |              |                         |     |      |           |
|-------------------------------|----------------------|-----------------------|-------|--------------|-------------------------|-----|------|-----------|
| <b>Class 1 Category B-G-1</b> |                      |                       |       |              |                         |     |      |           |
| 006300                        | 1-RPV-FLANGE THREADS | Reactor Vessel Flange | B6.40 | WDI-SSP-1147 | UT / UT-08-050 / Accept | RPV | A-86 | 4/18/2008 |

|                             |             |           |       |               |                         |      |     |           |
|-----------------------------|-------------|-----------|-------|---------------|-------------------------|------|-----|-----------|
| <b>Class 1 Category B-J</b> |             |           |       |               |                         |      |     |           |
| 129000                      | 1-CS-96-57S | Pipe Weld | B9.21 | WDI-STD-1026  | UT / UT-08-030 / Accept | CVCS | A75 | 4/5/2008  |
| 129100                      | 1-CS-96-58S | Pipe Weld | B9.21 | WDI-STD-1026  | UT / UT-08-047 / Accept | CVCS | A75 | 4/5/2008  |
| 129200                      | 1-CS-96-59S | Pipe Weld | B9.21 | WDI-STD-1026  | UT / UT-08-024 / Accept | CVCS | A75 | 4/6/2008  |
| 129300                      | 1-CS-96-60F | Pipe Weld | B9.21 | WDI-STD-1026  | UT / UT-08-025 / Accept | CVCS | A75 | 4/6/2008  |
| 44700                       | 1-RC-11-21S | Pipe Weld | B9.11 | WDI-STD-1026, | UT / UT-08-029 / Accept | RC   | A28 | 4/3/2008  |
| 100800                      | 1-SI-29-03S | Pipe Weld | B9.11 | WDI-STD-1026  | UT / UT-08-014 / Accept | SI   | A53 | 3/31/2008 |
| 101000                      | 1-SI-29-04F | Pipe Weld | B9.11 | WDI-STD-1026  | UT / UT-08-015 / Accept | SI   | A53 | 3/31/2008 |
| 102100                      | 1-SI-29-16S | Pipe Weld | B9.11 | ISI-PDI-UT-2  | UT / UT-08-018 / Accept | SI   | A53 | 4/3/2008  |

**Inservice Inspection Report**  
Interval 3 / Period 3 / Outage 1

| Summary No. | Comp. ID    | Component Description | Item  | Procedure    | Method/Report/Results   | System | Dwg/ISO | Exam Date |
|-------------|-------------|-----------------------|-------|--------------|-------------------------|--------|---------|-----------|
| 102200      | 1-SI-29-17S | Pipe Weld             | B9.11 | ISI-PDI-UT-2 | UT / UT-08-019 / Accept | SI     | A53     | 4/3/2008  |
| 102300      | 1-SI-29-18S | Pipe Weld             | B9.11 | ISI-PDI-UT-2 | UT / UT-08-020 / Accept | SI     | A53     | 4/3/2008  |
| 102400      | 1-SI-29-19S | Pipe Weld             | B9.11 | ISI-PDI-UT-2 | UT / UT-08-021 / Accept | SI     | A53     | 4/3/2008  |
| 102500      | 1-SI-29-20S | Pipe Weld             | B9.11 | ISI-PDI-UT-2 | UT / UT-08-022 / Accept | SI     | A53     | 4/3/2008  |
| 102700      | 1-SI-29-23S | Pipe Weld             | B9.11 | ISI-PDI-UT-2 | UT / UT-08-023 / Accept | SI     | A53     | 4/3/2008  |
| 104900      | 1-SI-31-17S | Pipe Weld             | B9.11 | ISI-PDI-UT-2 | UT / UT-08-026 / Accept | SI     | A54     | 4/4/2008  |
| 105000      | 1-SI-31-18S | Pipe Weld             | B9.11 | ISI-PDI-UT-2 | UT / UT-08-027 / Accept | SI     | A54     | 4/4/2008  |
| 105300      | 1-SI-31-21S | Pipe Weld             | B9.11 | ISI-PDI-UT-2 | UT / UT-08-028 / Accept | SI     | A54     | 4/4/2008  |
| 112454      | 1-SI-40-09S | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-032 / Accept | SI     | A58     | 4/7/2008  |
| 112456      | 1-SI-40-10F | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-033 / Accept | SI     | A58     | 4/7/2008  |
| 112472      | 1-SI-40-18S | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-039 / Accept | SI     | A58     | 4/6/2008  |
| 112474      | 1-SI-40-19S | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-040 / Accept | SI     | A58     | 4/7/2008  |
| 112476      | 1-SI-40-20S | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-041 / Accept | SI     | A58     | 4/7/2008  |
| 112478      | 1-SI-40-21S | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-042 / Accept | SI     | A58     | 4/7/2008  |
| 112480      | 1-SI-40-22S | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-043 / Accept | SI     | A58     | 4/7/2008  |
| 112482      | 1-SI-40-23S | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-044 / Accept | SI     | A58     | 4/7/2008  |
| 112484      | 1-SI-40-24S | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-045 / Accept | SI     | A58     | 4/7/2008  |

**Inservice Inspection Report**  
Interval 3 / Period 3 / Outage 1

| Summary No. | Comp. ID     | Component Description | Item  | Procedure    | Method/Report/Results   | System | Dwg/ISO | Exam Date |
|-------------|--------------|-----------------------|-------|--------------|-------------------------|--------|---------|-----------|
| 112486      | 1-SI-40-25S  | Pipe Weld             | B9.21 | WDI-STD-1026 | UT / UT-08-046 / Accept | SI     | A58     | 4/7/2008  |
| 112540      | 1-SI-51-28F  | Pipe Weld             | B9.21 | ISI-PDI-UT-2 | UT / UT-08-012 / Accept | SI     | A59     | 3/30/2008 |
| 112542      | 1-SI-51-29F  | Pipe Weld             | B9.21 | ISI-PDI-UT-2 | UT / UT-08-013 / Accept | SI     | A59     | 3/30/2008 |
| 122200      | 1-SI-548-45S | Pipe Weld             | B9.40 | WDI-STD-1026 | UT / UT-08-031 / Accept | SI     | A68     | 4/6/2008  |

**Class 1 Category C-A**

|        |            |                          |       |              |                         |     |      |          |
|--------|------------|--------------------------|-------|--------------|-------------------------|-----|------|----------|
| 300360 | STM-14-07  | Shell to Transition Cone | C1.10 | ISI-UT-208   | UT / UT-08-017 / Accept | MS  | B-4  | 4/4/2008 |
| 300390 | STM-14-10  | Steam Generator No. 14   | C1.20 | ISI-UT-208   | UT / UT-08-049 / Accept | MS  | B-4  | 4/4/2008 |
| 300830 | W-RHRHEX-2 | Shell to Head            | C1.20 | ISI-PDI-UT-2 | UT / UT-08-001 / Accept | RHR | B-10 | 3/25/08  |

**Class 1 Category C-B**

|        |            |                 |       |                     |                         |    |     |          |
|--------|------------|-----------------|-------|---------------------|-------------------------|----|-----|----------|
| 300190 | STM-12-MSN | Shell to Nozzle | C2.21 | 12-QHP-5050-NDE-002 | MT / MT Report / Accept | MS | B-2 | 4/5/2008 |
| 300190 | STM-12-MSN | Shell to Nozzle | C2.21 | ISI-UT-208          | UT / UT-08-016 / Accept | MS | B-2 | 4/2/2008 |

**Class 1 Category C-D**

|        |              |                |       |              |                         |    |      |         |
|--------|--------------|----------------|-------|--------------|-------------------------|----|------|---------|
| 317090 | MSIV-MRV-210 | Flange Bolting | C4.40 | ISI-PDI-UT-5 | UT / UT-08-002 / Accept | MS | B-75 | 3/28/08 |
|--------|--------------|----------------|-------|--------------|-------------------------|----|------|---------|

**Class 1 Category C-F-2**

|        |             |           |       |              |                         |    |     |          |
|--------|-------------|-----------|-------|--------------|-------------------------|----|-----|----------|
| 310730 | 1-FW-10-02S | Pipe Weld | C5.51 | ISI-PDI-UT-1 | UT / UT-08-034 / Accept | FW | B49 | 4/5/2008 |
| 310760 | 1-FW-10-04S | Pipe Weld | C5.51 | ISI-PDI-UT-1 | UT / UT-08-035 / Accept | FW | B49 | 4/5/2008 |

**Inservice Inspection Report**  
Interval 3 / Period 3 / Outage 1

| Summary No. | Comp. ID    | Component Description | Item  | Procedure    | Method/Report/Results   | System | Dwg/ISO | Exam Date |
|-------------|-------------|-----------------------|-------|--------------|-------------------------|--------|---------|-----------|
| 311200      | 1-FW-12-02S | Pipe Weld             | C5.51 | ISI-PDI-UT-1 | UT / UT-08-036 / Accept | FW     | B51     | 4/5/2008  |
| 311230      | 1-FW-12-04S | Pipe Weld             | C5.51 | ISI-PDI-UT-1 | UT / UT-08-037 / Accept | FW     | B51     | 4/5/2008  |

**Class 1 Category B-G-2**

|        |          |                |       |                     |                         |    |      |          |
|--------|----------|----------------|-------|---------------------|-------------------------|----|------|----------|
| 226300 | 1-RH-134 | Flange Bolting | B7.70 | 12-QHP-5050-NDE-006 | VT / VT-08-033 / Accept | RH | A-55 | 4/1/2008 |
|--------|----------|----------------|-------|---------------------|-------------------------|----|------|----------|

**Class 1 Category B-K-1**

|        |                |                   |        |                     |                         |    |      |           |
|--------|----------------|-------------------|--------|---------------------|-------------------------|----|------|-----------|
| 100900 | 1-SI-29-03S-HL | Hanger Lug        | B10.10 | 12-QHP-5050-NDE-001 | PT / PT-08-001 / Accept | SI | A-53 | 4/2/2008  |
| 143700 | 1-RH-28-01S-HL | Hanger Lug        | B10.10 | 12-QHP-5050-NDE-001 | PT / PT-08-002 / Accept | RH | A-80 | 4/4/2008  |
| 149700 | 1-PP-45-3      | Support Lug No. 1 | B10.20 | 12-QHP-5050-NDE-001 | PT / PT-08-005 / Accept | RC | N/A  | 4/13/2008 |
| 149800 | 1-PP-45-3      | Support Lug No. 2 | B10.20 | 12-QHP-5050-NDE-001 | PT / PT-08-006 / Accept | RC | N/A  | 4/13/2008 |
| 149900 | 1-PP-45-3      | Support Lug No. 3 | B10.20 | 12-QHP-5050-NDE-001 | PT / PT-08-007 / Accept | RC | N/A  | 4/15/2008 |

**Class 1 Category B-L-1**

|        |           |                  |        |                     |                         |    |     |           |
|--------|-----------|------------------|--------|---------------------|-------------------------|----|-----|-----------|
| 150000 | 1-PP-45-3 | Pump Casing Weld | B12.10 | 12-QHP-5050-NDE-006 | VT / VT-08-042 / Accept | RC | N/A | 4/13/2008 |
|--------|-----------|------------------|--------|---------------------|-------------------------|----|-----|-----------|

**Class 1 Category F-A**

|        |             |                         |         |                     |                         |     |      |           |
|--------|-------------|-------------------------|---------|---------------------|-------------------------|-----|------|-----------|
| 621875 | 1-GSI-R-566 | Pipe Support Components | F1.10B  | 12-QHP-5050-NDE-006 | VT / VT-08-028 / Accept | GSI | A-58 | 3/31/2008 |
| 621900 | 1-GSI-V-156 | Pipe Support Components | F1.10WC | 12-QHP-5050-NDE-006 | VT / VT-08-005 / Accept | GSI | A-59 | 2/13/2008 |
| 626300 | 1-GSI-R-559 | Pipe Support Components | F1.10WB | 12-QHP-5050-NDE-006 | VT / VT-08-029 / Accept | GSI | A-72 | 3/31/2008 |
| 639500 | 1-GCS-R-601 | Pipe Support Components | F1.10WB | 12-QHP-5050-NDE-006 | VT / VT-08-026 / Accept | GCS | A-78 | 3/31/2008 |

**Inservice Inspection Report**  
Interval 3 / Period 3 / Outage 1

| Summary No. | Comp. ID | Component Description  | Item  | Procedure           | Method/Report/Results   | System | Dwg/ISO | Exam Date |
|-------------|----------|------------------------|-------|---------------------|-------------------------|--------|---------|-----------|
| 650200      | 1-PP45-3 | RC Pump No. 13 Support | F1.40 | 12-QHP-5050-NDE-006 | VT / VT-08-035 / Accept | RC     | N/A     | 4/3/2008  |

**Class 2 Category C-C**

|        |               |              |       |                     |                         |    |      |           |
|--------|---------------|--------------|-------|---------------------|-------------------------|----|------|-----------|
| 304945 | 1-RH-1-16F-PS | Pipe Support | C3.20 | 12-QHP-5050-NDE-001 | PT / PT-08-003 / Accept | RH | B-27 | 4/10/2008 |
| 305275 | 1-RH-2-15F-PS | Pipe Support | C3.20 | 12-QHP-5050-NDE-001 | PT / PT-08-004 / Accept | RH | B-28 | 4/10/2008 |

**Class 2 Category F-A**

|        |               |                         |         |                     |                                   |        |      |           |
|--------|---------------|-------------------------|---------|---------------------|-----------------------------------|--------|------|-----------|
| 700050 | CS-5          | Bracket                 | F1.40   | 12-QHP-5050-NDE-006 | VT / VT-08-031 / Accept           | CTS    | B-5  | 3/30/2008 |
| 700060 | CS-6          | Bracket                 | F1.40   | 12-QHP-5050-NDE-006 | VT / VT-08-032 / Accept           | CTS    | B-5  | 3/30/2008 |
| 700170 | W-RHRHEX-SC-1 | West RHR HTEX           | F1.40   | 12-QHP-5050-NDE-006 | VT / VT-08-018 / Accept           | RHRHEX | B-10 | 2/27/2008 |
| 700180 | W-RHRHEX-SC-2 | West RHR HTEX           | F1.40   | 12-QHP-5050-NDE-006 | VT / VT-08-019 / Accept           | RHRHEX | B-10 | 2/27/2008 |
| 702260 | 1-GRH-V-53    | Pipe Support Components | F1.20C  | 12-QHP-5050-NDE-006 | VT / VT-08-037 / Accept           | GRH    | B-14 | 4/8/2008  |
| 702520 | 1-GSI-R-554   | Pipe Support Component  | F1.20B  | 12-QHP-5050-NDE-006 | VT / VT-08-030 / Accept           | GSI    | B-16 | 3/31/2008 |
| 704700 | 1-GSI-V-608   | Pipe Support Component  | F1.20C  | 12-QHP-5050-NDE-006 | VT / VT-08-036 / Reject<br>Note 1 | GSI    | B-26 | 4/4/2008  |
| 704930 | 1-GRH-R-10    | Pipe Support Component  | F1.20WA | 12-QHP-5050-NDE-006 | VT / VT-08-041 / Accept           | GRH    | B-27 | 4/10/2008 |
| 706200 | 1-GCTS-R-8    | Pipe Support Component  | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-039 / Accept           | GCTS   | B-31 | 4/9/2008  |
| 706960 | 1-GSI-R-51    | Pipe Support Component  | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-043 / Accept           | GSI    | B-33 | 4/23/2008 |
| 707020 | 1-GSI-R-52    | Pipe Support Component  | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-044 / Accept           | GSI    | B-33 | 4/23/2008 |
| 707060 | 1-GSI-L-53    | Pipe Support Component  | F1.20WB | 12-QHP-5050-NDE-006 | VT / VT-08-045 / Reject<br>Note 3 | GSI    | B-33 | 4/23/2008 |
| 707080 | 1-GSI-R-54    | Pipe Support Component  | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-046 / Accept           | GSI    | B-33 | 4/23/2008 |



**Inservice Inspection Report**  
Interval 3 / Period 3 / Outage 1

| Summary No. | Comp. ID    | Component Description    | Item    | Procedure           | Method/Report/Results             | System | Dwg/ISO | Exam Date |
|-------------|-------------|--------------------------|---------|---------------------|-----------------------------------|--------|---------|-----------|
| 707370      | 1-GSI-R-45  | Pipe Support Component   | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-047 / Accept           | GSI    | B-34    | 4/23/2008 |
| 707390      | 1-GSI-L-46  | Pipe Support Component   | F1.20B  | 12-QHP-5050-NDE-006 | VT / VT-08-048 / Accept           | GSI    | B-34    | 4/23/2008 |
| 707420      | 1-GSI-L-47A | Pipe Restraint Component | F1.20WA | 12-QHP-5050-NDE-006 | VT / VT-08-040 / Reject<br>Note 2 | GSI    | B-34    | 4/9/2008  |
| 707450      | 1-GSI-L-48  | Pipe Support Component   | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-049 / Accept           | GSI    | B-34    | 4/23/2008 |
| 719030      | 1-GCTS-R-18 | Pipe Support Components  | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-024 / Accept           | GCTS   | B-43    | 3/4/2008  |
| 719840      | 1-GCTS-R-25 | Pipe Support Components  | F1.20WA | 12-QHP-5050-NDE-006 | VT / VT-08-025 / Accept           | GCTS   | B-46    | 3/4/2008  |
| 720390      | 1-GCTS-L-56 | Pipe Support Components  | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-038 / Accept           | GCTS   | B-47    | 4/9/2008  |
| 726600      | 1-AFW-S4028 | Pipe Restraint Component | F1.20WS | 12-QHP-5050-NDE-006 | VT / VT-08-034 / Accept           | AFW    | B-52    | 4/3/2008  |
| 726940      | 1-GFW-L-805 | Pipe Support Components  | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-008 / Accept           | GFW    | B-57    | 2/13/2008 |
| 740010      | 1-GSI-R-89  | Pipe Support Components  | F1.20A  | 12-QHP-5050-NDE-006 | VT / VT-08-006 / Accept           | GSI    | B-77    | 2/13/2008 |
| 741120      | 1-GSI-R-809 | Pipe Support Components  | F1.20WB | 12-QHP-5050-NDE-006 | VT / VT-08-007 / Accept           | GSI    | B-80    | 2/13/2008 |
| 744510      | 1-GCS-L-233 | Pipe Support Components  | F1.20B  | 12-QHP-5050-NDE-006 | VT / VT-08-012 / Accept           | GCS    | B-89    | 2/18/2008 |
| 745030      | 1-GCS-R-90  | Pipe Support Components  | F1.20WA | 12-QHP-5050-NDE-006 | VT / VT-08-010 / Accept           | GCS    | B-90    | 2/18/2008 |
| 745070      | 1-GCS-R-93  | Pipe Support Components  | F1.20WC | 12-QHP-5050-NDE-006 | VT / VT-08-011 / Accept           | GCS    | B-90    | 2/18/2008 |
| 745520      | 1-GCS-R-111 | Pipe Support Components  | F1.20WA | 12-QHP-5050-NDE-006 | VT / VT-08-014 / Accept           | GCS    | B-91    | 2/25/2008 |
| 745540      | 1-GCS-R-113 | Pipe Support Components  | F1.20WA | 12-QHP-5050-NDE-006 | VT / VT-08-015 / Accept           | GCS    | B-91    | 2/25/2008 |

**Class 3 Category F-A**

|        |               |                                  |       |                     |                         |        |     |          |
|--------|---------------|----------------------------------|-------|---------------------|-------------------------|--------|-----|----------|
| 798410 | E-CTSHEx-SC-2 | Heat Exchanger Component Support | F1.40 | 12-QHP-5050-NDE-006 | VT / VT-08-022 / Accept | CTSHEx | B-7 | 3/4/2008 |
|--------|---------------|----------------------------------|-------|---------------------|-------------------------|--------|-----|----------|

# Inservice Inspection Report

Interval 3 / Period 3 / Outage 1

| Summary No. | Comp. ID       | Component Description  | Item    | Procedure           | Method/Report/Results   | System | Dwg/ISO              | Exam Date |
|-------------|----------------|------------------------|---------|---------------------|-------------------------|--------|----------------------|-----------|
| 798800      | E-CTSHEx-UL-SC | Upper Lateral Support  | F1.40   | 12-QHP-5050-NDE-006 | VT / VT-08-023 / Accept | CTSHEx | B-7                  | 3/4/2008  |
| 799000      | E-RHRHEX-UL-SC | Upper Lateral Support  | F1.40   | 12-QHP-5050-NDE-006 | VT / VT-08-020 / Accept | RHRHEX | 12-3944C-3           | 2/27/2008 |
| 805020      | 1-GCCW-R-14    | Pipe Support Component | F1.30A  | 12-QHP-5050-NDE-006 | VT / VT-08-009 / Accept | GCCW   | 1-CCW-1              | 2/13/2008 |
| 807860      | 1-GCCW-R-649   | Pipe Support Component | F1.30A  | 12-QHP-5050-NDE-006 | VT / VT-08-027 / Accept | GCCW   | 1-GCCW-98            | 3/31/2008 |
| 831100      | 1-GESW-V-58    | Pipe Support Component | F1.30WC | 12-QHP-5050-NDE-006 | VT / VT-08-016 / Accept | GESW   | 1-ESW-27             | 2/25/2008 |
| 832220      | 1-GESW-R-32    | Pipe Support Component | F1.30A  | 12-QHP-5050-NDE-006 | VT / VT-08-013 / Accept | GESW   | 1-ESW-46             | 2/18/2008 |
| 832400      | 1-GESW-L-114   | Pipe Support Component | F1.30B  | 12-QHP-5050-NDE-006 | VT / VT-08-017 / Accept | GESW   | 1-ESW-51             | 2/25/2008 |
| 853170      | 1-GFW-L-8      | Pipe Support Component | F1.30WB | 12-QHP-5050-NDE-006 | VT / VT-08-002 / Accept | GFW    | 1-FW-34              | 2/11/2008 |
| 853430      | 1-GFW-L-151    | Pipe Support Component | F1.30WB | 12-QHP-5050-NDE-006 | VT / VT-08-003 / Accept | GFW    | 1-FW-36              | 2/11/2008 |
| 853610      | 1-GFW-L-187    | Pipe Support Component | F1.30WB | 12-QHP-5050-NDE-006 | VT / VT-08-004 / Accept | GFW    | 1-FW-46              | 2/11/2008 |
| 853960      | 1-AFW-L-912    | Pipe Support Component | F1.30B  | 12-QHP-5050-NDE-006 | VT / VT-08-001 / Accept | AFW    | 1-AFW-86, SH. 2 OF 2 | 2/11/2008 |
| 870000      | 12-GSF-R-57    | Pipe Support Component | F1.30A  | 12-QHP-5050-NDE-006 | VT / VT-08-021 / Accept | GSF    | 12-SF-1              | 2/27/2008 |

Note 1: Support 1-GSI-V-608 was evaluated as acceptable by evaluation NCE 00829244-01

Note 2: Support 1-GSI-L-47A was corrected under WO 55317177-01 and sample expansion under WO 55317451

Note 3: Support 1-GSI-L-53 was corrected under WO 55317887-01 and second sample expansion under WO 55317451 and WO 55317932 (Unit 2 for Extent of Condition)

## Reactor Vessel Bottom Mounted Instrumentation Bare Metal Visual Examination Results

Bare-metal visual inspection of the CNP Unit 1 reactor pressure vessel (RPV) bottom-mounted instrumentation (BMI) nozzle penetrations was required during the Unit 1 Cycle 22 outage per a regulatory commitment made in a letter from I&M to the NRC, AEP:NRC:3054-14, dated September 17, 2003. The inspection report should include:

1. a summary of the inspections performed,
2. the extent of the inspections,
3. the methods used,
4. a description of the as-found condition of the lower head,
5. any findings of relevant indications of through-wall leakage, and
6. a summary of the disposition of any findings of boric acid deposits and any corrective actions taken as a result of indications found.

Bare-metal visual inspection of the CNP Unit 1 RPV BMI nozzle penetrations was completed during the Unit 1 Cycle 22 refueling outage. This inspection was completed in accordance with I&M's commitment made in response to NRC Bulletin 2003-02, "Leakage from Reactor Pressure Vessel Lower Head Penetrations and Reactor Coolant Pressure Boundary Integrity," dated August 21, 2003.

The inspection was conducted by contractor and CNP personnel in conjunction with Performance Verification personnel qualified as Level 2 examiners. A pole mounted, AC powered camera was used to perform remote VT-2 examination to VT-3 examination criteria on all 58 Unit 1 RPV BMI nozzle penetrations, including 360 degrees around each BMI penetration. No boric acid deposits were found at any RPV BMI nozzle penetration or anywhere on the RPV bottom head surface area. No boric acid residue sampling or analysis was required or performed. The as-found condition of the Unit 1 RPV bottom head was identical to the as-left condition following the inspection performed during the Unit 1 Cycle 21 refueling outage. No indications of through-wall leakage were found during the Unit 1 Cycle 22 RPV BMI inspection. The bottom two sections of insulation were lowered to allow unobstructed access to all penetrations and the membrane areas of the lower reactor vessel. The inspection results were digitally recorded, and copies of the video files were saved to computer drives as video clips. Both hard copy examination results based upon approved procedures and optical records (i.e., digital video) have been documented. Work Order Task 55287594-04 documents the results of this examination.

## ABSTRACT OF SYSTEM PRESSURE TESTS

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

### SECTION 4

Inservice Inspection System Pressure Tests were performed during the period November 14, 2006, to April 29, 2008. These tests were performed in accordance with the requirements of ASME Section XI, 1989 (no Addenda) and 1992 Editions with 1992 Addenda, Articles IWA-5000, IWB-5000, IWC-5000, IWD-5000, Code Case N-416-1, Code Case N-533, Code Case N-498-1 and N-616, as applicable.

Pressure tests for portions of systems identified below were performed during the Unit 1 Cycle 22 refueling outage. The remainder of the pressure tests for the period were performed in conjunction with functional tests, inservice operation, and special procedures, as applicable. No pressure boundary through-wall leaks were identified.

| JO       | Activity | Test Description                             | Completion Date |
|----------|----------|--|-----------------|
| 55269881 | 01       | East Train CCW System                        | 08/06/2007      |
| 55269881 | 02       | West Train CCW System                        | 08/09/2007      |
| 55269881 | 04       | Misc CCW Supply/Return Headers               | 08/24/2007      |
| 55269881 | 05       | Spare CCW Pump                               | 05/22/2007      |
| 55238598 | 01       | East Train ESW System, AB EDG                | 11/15/2007      |
| 55238598 | 02       | West Train ESW System, CD EDG                | 12/13/2007      |
| 55248520 | 01       | Accumulator Discharge Piping                 | 04/29/2008      |
| 55248520 | 05       | CCW Exc Letdown, RCP Therm Barr, Oil Coolers | 04/29/2008      |
| 55248520 | 06       | CST and RWST, CTS, RHR, SIS, AFW Systems     | 01/14/2008      |
| 55248520 | 07       | Main Steam, Feedwater, CVCS Systems          | 02/21/2008      |
| 55248520 | 08       | East Train RHR                               | 04/23/2008      |
| 55248520 | 09       | West Train RHR                               | 04/22/2008      |
| 55248520 | 10       | Feedwater, Main Steam and Steam Generators   | 04/29/2008      |
| 55248520 | 16       | Excess Letdown Hx, Seal Injection            | 04/29/2008      |
| 55248520 | 26       | Pressurizer Steam Space                      | 04/29/2008      |
| 55248520 | 32       | Loop 1 & 3 Hot Leg Sample                    | 04/29/2008      |
| 55248520 | 34       | Pressurizer Liquid Space                     | 04/29/2008      |
| 55248520 | 77       | 1-TK-84, 1-TK-85                             | 04/21/2008      |
| 55248520 | 78       | RHR Misc Piping (east train)                 | 04/22/2008      |
| 55248520 | 79       | RHR Misc Piping (west train)                 | 04/22/2008      |
| 55248520 | 80       | RHR to RCS Boundary                          | 04/23/2008      |
| 55293871 | 01       | RCS NOP/NOT                                  | 04/29/2008      |

## ABSTRACT OF SNUBBER EXAMINATION AND TEST RESULTS

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

### SECTION 5

## ABSTRACT OF SNUBBER EXAMINATION AND TEST RESULTS

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

### Snubber VT-3 Visual Examinations

| Snubber No.   | Exam Date | Work Order No. | Results    |
|---------------|-----------|----------------|------------|
| 1-GRC-S519    | 3/28/08   | 55292558-01    | Acceptable |
| 1-GRC-S587    | 3/28/08   | 55292558-01    | Acceptable |
| 1-GRC-S592    | 3/28/08   | 55292558-01    | Acceptable |
| 1-GRC-S594    | 3/28/08   | 55292558-01    | Acceptable |
| 1-GRC-S596    | 3/28/08   | 55292558-01    | Acceptable |
| 1-GRC-S598    | 4/16/08   | 55292558-01    | Acceptable |
| 1-GRC-S599    | 3/28/08   | 55292558-01    | Acceptable |
| 1-GRC-S604    | 3/28/08   | 55292558-01    | Acceptable |
| 1-GRC-S608    | 4/15/08   | 55292558-01    | Acceptable |
| 1-GRC-S614    | 3/28/08   | 55292558-01    | Acceptable |
| 1-AFW-S4023   | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4024-L | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4024-U | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4021   | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4028-L | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4028-U | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4027   | 4/15/08   | 55292559-01    | Acceptable |
| 1-AFW-S4025   | 4/15/08   | 55292559-01    | Acceptable |
| 1-AFW-S4031   | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4032-L | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4032-U | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4029   | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4025   | 4/15/08   | 55292559-01    | Acceptable |
| 1-AFW-S4036-L | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4036-U | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4035   | 4/8/08    | 55292559-01    | Acceptable |
| 1-AFW-S4033   | 4/15/08   | 55292559-01    | Acceptable |
| 1-GCCW-S309   | 12/27/08  | 55289164-01    | Acceptable |
| 1-GCCW-S837   | 12/27/08  | 55289164-01    | Acceptable |

# ABSTRACT OF SNUBBER EXAMINATION AND TEST RESULTS

|   |                  |                      |                |
|---|------------------|----------------------|----------------|
| 1-GCCW-S838   | 12/27/08         | 55289164-01          | Acceptable     |
| 12-GCCW-S839  | 12/27/08         | 55289164-01          | Acceptable     |
| <b>Snubber VT-3 Visual Examinations (continued)</b> |                  |                      |                |
| <b>Snubber No.</b>                                  | <b>Exam Date</b> | <b>Job Order No.</b> | <b>Results</b> |
| 1-GBD-S573  | 3/31/08          | 55292560-01          | Acceptable     |
| 1-GBD-S574  | 3/31/08          | 55292560-01          | Acceptable     |
| 1-OME-3-1-HSD-3U                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-1-HSD-3L                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-1-HSD-1U                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-1-HSD-1L                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-2-HSD-3U                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-2-HSD-3L                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-2-HSD-1U                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-2-HSD-1L                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-3-HSD-3U                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-3-HSD-3L                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-3-HSD-1U                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-3-HSD-1L                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-4-HSD-3U                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-4-HSD-3L                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-4-HSD-1U                                    | 3/30/08          | 55292557-01          | Acceptable     |
| 1-OME-3-4-HSD-1L                                    | 3/30/08          | 55292557-01          | Acceptable     |

## Snubber Functional Tests

| Snubber No.      | Test Date | Work Order No. | Results    | Remarks             |
|------------------|-----------|----------------|------------|---------------------|
| 1-AFW-S4029      | 4/9/08    | 55273419-01    | Acceptable | Small Bore Grinnell |
| 1-AFW-S4033      | 4/9/08    | 55271823-01    | Acceptable | Small Bore Grinnell |
| 12-GCCW-S839     | 3/26/08   | 55269608-01    | Acceptable | Small Bore Grinnell |
| 1-GRC-S599       | 4/13/08   | 55269613-01    | Acceptable | Small Bore Grinnell |
| 1-GBD-S573       | 4/9/08    | 55270359-01    | Acceptable | Small Bore Grinnell |
| 1-OME-3-2-HSD-1L | 4/5/08    | 55273035-02    | Acceptable | Large Bore          |
| 1-OME-3-2-HSD-1U | 4/5/08    | 55273037-02    | Acceptable | Large Bore          |
| 1-OME-3-2-HSD-3L | 4/5/08    | 55272854-02    | Acceptable | Large Bore          |
| 1-OME-3-2-HSD-3U | 4/5/08    | 55273036-02    | Acceptable | Large Bore          |

The minimum 14% Technical Requirements Manual required sample size consists of 5 small bore (Grinnell) and 3 large bore (Steam Generator) snubbers.

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

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

SECTION 6

CONTAINMENT INSERVICE INSPECTIONS

During the reporting period of November 14, 2006, to April 29, 2008, 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 Subsection IWE examinations performed, results, and corrective actions, if any were performed, on Class MC components and the Class CC liner. The examination results were compared to established acceptance criteria. All results were within the established acceptance criteria. There were no areas that were required to be classified as an Augmented Examination area in accordance with IWE-1240.

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

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

| Date      | Unit | Job Order Activity | Examination Area   | Exam Method    | Indications/Conditions that led to Degradation (if rejectable)  | Disposition/Corr. Actions |
|-----------|------|--------------------|--|----------------|---|---------------------------|
| 4/3/2008  | 1    | 55232268-02        | Prior to surface preparation and coating: penetration 1-CPN-4, at liner to penetration interface 4" away from penetration on liner and from liner out on penetration to radius of penetration.   | VT-3           | None  | Accept                    |
| 4/7/2008  | 1    | 55293075-04        | Liner plate surfaces behind the Ice Condenser Divider Barrier Seal when removed: ZONE 1-612-3, at Elevation 638' near Column 3. Gap at this location is .25 inches wide by 12 inches long. Viewable area starts approximately 8 inches up from seal attachment to liner plate, up approximately 3 feet and 1 foot to either side. Zone 1-612-6, at Elevation 638' between Column 17 and end wall, at Column 17. Gap at this location is .75 inches wide by 12 inches long. Viewable area starts from divider barrier steel attachment up approximately 3 feet and 1 foot to either side. | General Visual | No evidence of degradation that may affect either containment structural integrity or leak tightness.   | Accept                    |
| 4/8/2008  | 1    | 55240765-01        | 1-CPN-83-BOLTING Penetration Bolting   | VT-1           | None  | Accept                    |
| 4/9/2008  | 1    | 55309441-01        | Elevation 612 Airlock Bolting: 1-LPLODV-BOLTING  | VT-1           | None  | Accept                    |
| 4/10/2008 | 1    | 55240765-01        | Elevation 612 Airlock Bolting: 1-LPLIDE-BOLTING, 1-LPLODE-BOLTING. Elevation 650 Airlock Bolting: 1-UPLODH-BOLTING, 1-UPLIDH-BOLTING, 1-UPLODE-BOLTING, 1-UPLIDE-BOLTING.  | VT-1           | None  | Accept                    |
| 4/11/2008 | 1    | 55294146-06        | Prior to surface preparation and coating: Surfaces on the Equipment Hatch and Elevation 650 Airlock Barrel, surfaces of interior core barrel and airlock.  | VT-3           | Peeling paint, delamination of top coat. No evidence of discoloration or rusting, or signs of distress. | Accept                    |
| 4/11/2008 | 1    | 55240765-01        | Elevation 650 Airlock Bolting: 1-UPLODB-BOLTING (32 bolts, nuts, washers)  | VT-1           | None  | Accept                    |



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

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

SECTION 7

The Unit 1 steam generator inspection results are submitted as a separate report to the NRC in accordance with Technical Specifications. No steam generator tube examinations were performed this outage.

NIS-2 REPAIR AND REPLACEMENT REPORTS INDEX

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 REPORTS INDEX

# NIS-2 REPAIR AND REPLACEMENT REPORTS INDEX

## U1C22 Class 1 and 2 Repair and Replacement Reports Index

| Work Order     | Description  | Component              | Code Class |
|----------------|--|------------------------|------------|
| 55230883-01    | REPLACED SAFETY VALVE  | 1-SV-104W              | 2          |
| 55247730-01/09 | REPLACED VALVE / ADD LOOP SEAL   | 1-NRV-151              | 1          |
| 55247730-02    | REPLACED VALVE / ADD LOOP SEAL   | 1-NRV-152              | 1          |
| 55247730-03    | REPLACED VALVE / ADD LOOP SEAL   | 1-NRV-153              | 1          |
| 55250094-01    | REPLACED VALVE INTERNALS   | 1-CS-536               | 2          |
| 55253343-02    | REPLACED VALVE IPIPING   | 1-MS-135-1             | 2          |
| 55270359-01    | REPLACED SNUBBER AND LOAD PIN  | 1-GBD-S573             | 2          |
| 55271823-01    | REPLACED SNUBBER   | 1-AFW-S4033            | 2          |
| 55273419-01    | REPLACED SNUBBER   | 1-AFW-S4029            | 2          |
| 55281975-01    | ADDED PLATE AND PIPE   | 1-TK-33                | 2          |
| 55288542-01    | REPLACED VALVE INTERNALS   | 1-MRV-221              | 2          |
| 55288822-01    | REPLACED MECHANICAL SEAL GLAND PLATES  | 1-PP-50E               | 2          |
| 55290281-05    | REPLACED SAFETY VALVE  | 1-SV-45A               | 1          |
| 55291871-07    | REPLACED MANWAY BOLT - The NIS-2 Report is to be provided in a subsequent submittal due to a missed preservice examination. See Condition Report AR00832956. | 1-TK-11                | 2          |
| 55291872-01    | REPLACED VALVE INTERNALS   | 1-CTS-124E             | 2          |
| 55292537-08    | REPLACE PIPING   | 1-MS-543-L1.8          | 2          |
| 55294264-01    | REPLACED BRACKET AND LOAD PIN  | 1-AFW-S4023            | 2          |
| 55294293-05    | REPLACED SAFETY VALVE  | 1-SV-45B               | 1          |
| 55294294-05    | REPLACED SAFETY VALVE  | 1-SV-45C               | 1          |
| 55294550-01    | REPLACED SAFETY VALVE  | 1-SV-104E              | 2          |
| 55303819-02    | INSTALL FLANGE AND PIPING  | 1-TK-33                | 2          |
| 55305753-14/15 | SWAP OF VALVE INTERNALS/BONNETS  | 1-RH-128E<br>1-IMO-314 | 2          |
| 55305753-17    | REPLACED VALVE / PIPING  | 1-RH-164E              | 2          |
| 55305754-15    | SWAP OF VALVE INTERNALS/BONNETS  | 1-RH-128W<br>1-IMO-324 | 2          |
| 55313439-05    | REPLACE SUPPORT ITEMS  | 1-GRC-R-603            | 1          |
| 55316254-02/09 | REPLACE SECONDARY MANWAY BOLTING   | 1-OME-3-3              | 2          |
| 55316254-10    | INSTALL SECONDARY MANWAY HELICOIL  | 1-OME-3-3              | 2          |
| 55316901-01/13 | REPLACE VALVE INTERNALS  | 1-ICM-265              | 2          |
| 55317435-02    | REPLACE SUPPORT ITEMS  | 1-GRH-R-508            | 2          |
| 55317887-01    | REPLACE SUPPORT ITEMS  | 1-GSI-L-53             | 2          |
| 55318117-04    | WELD OVERLAY REPAIR  | 1-NFP-222-V2           | 1          |

# NIS-2 REPAIR AND REPLACEMENT REPORTS INDEX

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 POWERDate 04/13/2008

Name

P.O. Box 60 Fort Wayne, IN 46801Sheet 1 of 2

Address

2. Plant D.C. COOK NUCLEAR POWER PLANTUnit 1 Component 1-SV-104W

Name

One Cook Place, Bridgman, MI 49106JOB ORDER No. 55230883-01

Address

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

3. Work Performed by AEP/D.C. COOK Maint. DepartmentType Code Symbol Stamp N/A

Name

One Cook Place, Bridgman, MI 49106Authorization No. N/A

Address

Expiration Date N/A4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 25. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 No Addenda

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

| Name of Component | Name of Manufacturer | Manufacturer Serial No.<br>(Material M&E, ASP, PO)                   | National Board No. | Other Identification                 | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|--|--------------------|--------------------------------------|------------|------------------------------------|-------------------------------|
| 1-SV-104W         |                      |  |                    |                                      |            |                                    |                               |
| SAFETY VALVE      | CROSBY               | Cat-ID<br>0430036394<br>UTC-0001317091<br>SERIAL #<br>N69972-00-0014 | NA                 | MODEL #<br>JB25-3-TD-SPL<br>TYPE - E | N/A        | REPLACED                           | NO                            |
|                   |                      |  |                    |                                      |            |                                    |                               |
|                   |                      |  |                    |                                      |            |                                    |                               |
|                   |                      |  |                    |                                      |            |                                    |                               |

7. Description of Work REPLACED SAFETY VALVE8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure N/A psi. Test Temp. N/A F

RCS

FORM NIS-2 (Back)  
**Job Order/File 55230883-01**

9. Remarks: VT-2 Performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 19, 2008  
 Owner or Owner's Designee, Title

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

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-9-2008 to 4-30-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-27 20 08

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/10/08  
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-NRV-151  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55247730-01 / 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: REACTOR COOLANT SYSTEM ISI CLASS 1
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N 416-1  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component         | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification             | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---------------------------|----------------------|---|--------------------|----------------------------------|------------|------------------------------------|-------------------------------|
| 1-NRV-151                 |                      |   |                    |                                  |            |                                    |                               |
| VALVE<br>GLOBE<br>2" X 3" | MASONNEILAN          | Cat ID<br>0430042110<br>UTC-1318446             | N/A                | Model #<br>38-20771<br>A351 CF8M | N/A        | REPLACED                           | NO                            |
| PIPE<br>3"                | N/A                  | Cat ID<br>0497001333                            | n/a                | ASME SA376,<br>TP-316            | N/A        | REPLACED                           | NO                            |
| PIPE ELBOW<br>3" 90°      | N/A                  | Cat ID<br>0430015931                            | N/A                | ASME SA-403,<br>GR WP-S 316      | N/A        | REPLACED                           | NO                            |
| PIPE ELBOW<br>3" 45°      | N/A                  | Cat ID<br>0430019696                            | n/a                | ASME SA-403,<br>GR WP-S 316      | N/A        | REPLACED                           | NO                            |

7. Description of Work REPLACE VALVE AND ADD LOOP SEAL TO SYSTEM
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure N/A psi. Test Temp. N/A F

R15

FORM NIS-2 (Back)

**Job Order/File 55247730-01 / 09**

9. Remarks: Fit-up/Final VT/PT plus RT, VT-2 System Leakage Test per Code Case N 416-1.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

Signed Phillip Rhew Welding Program Administrator  
Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER / James M. Fitcher  
Engineering Programs

Date JUNE 13, 20 08**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-15-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
Inspector's Signature

Commissions: NB11412ANI, MI. 300959  
National Board, State, Province, and Endorsements

Date 6-13 20 08



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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/16/2008  
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-NRV-152  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55247730-02  
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: REACTOR COOLANT SYSTEM ISI CLASS 1
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N-416-1  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component               | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification                     | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---------------------------------|----------------------|---|--------------------|--|------------|------------------------------------|-------------------------------|
| 1-NRV-152                       |                      |   |                    |  |            |                                    |                               |
| VALVE GLOBE<br>2" X 3"<br>1500# | MASONNEILAN          | Cat. ID<br>0430042110<br>UTC-1318446            | N/A                | Model #<br>38-20771<br>ASTM A351<br>CF8M | N/A        | REPLACED                           | NO                            |
| PIPE<br>3" S.S.                 | N/A                  | Cat. ID<br>0497001333<br>UTC-1313449            | N/A                | ASME-SA376<br>TP-316                     | N/A        | REPLACED                           | NO                            |
| PIPE<br>ELBOW 3"<br>45°         | N/A                  | Cat. ID<br>0430019696<br>UTC-1295337            | N/A                | ASME-SA403<br>GR-WP-S316                 | N/A        | REPLACED                           | NO                            |
| PIPE<br>ELBOW 3"<br>90°         | N/A                  | Cat. ID<br>0430015931<br>UTC-1294644            | N/A                | ASME-SA403<br>GR-WP-S316                 | N/A        | REPLACED                           | NO                            |

7. Description of Work INSTALL LOOP SEALS ASSOCIATED PIPING
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure N/A psi. Test Temp. N/A F

RCS

FORM NIS-2 (Back)

**Job Order/File 55247730-02**

9. Remarks: 3" piping fit-up / final VT/PT AND RT. VT-2 Leakage test per Code Case N-416-1

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 Phillip Rhew (Welding Program Administrator)  
Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER / James M. Fitcher  
Engineering Programs

Date JUNE 4, 2008

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-17-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-4 2008

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWERDate 04/09/08

Name

P.O. Box 60 Fort Wayne, IN 46801Sheet 1 of 2

Address

2. Plant D.C. COOK NUCLEAR POWER PLANTUnit 1 Component 1-NRV-153

Name

One Cook Place, Bridgman, MI 49106JOB ORDER No. 55247730-03

Address

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

3. Work Performed by AEP/D.C. COOK Maint. DepartmentType Code Symbol Stamp N/A

Name

One Cook Place, Bridgman, MI 49106Authorization No. N/A

Address

Expiration Date N/A4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 15. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N 416-1(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

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

| Name of Component         | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification             | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---------------------------|----------------------|---|--------------------|----------------------------------|------------|------------------------------------|-------------------------------|
| 1-NRV-153                 |                      |   |                    |                                  |            |                                    |                               |
| VALVE<br>GLOBE<br>2" X 3" | MASONNEILAN          | Cat ID<br>0430042110<br>UTC-1318447             | N/A                | Model #<br>38-20771<br>A351 CF8M | N/A        | REPLACED                           | NO                            |
| PIPE<br>3"                | N/A                  | Cat ID<br>0497001333                            | n/a                | ASME SA376,<br>TP-316            | N/A        | REPLACED                           | NO                            |
| PIPE ELBOW<br>3" 90°      | N/A                  | Cat ID<br>0430015931                            | N/A                | ASME SA-403,<br>GR WP-S 316      | N/A        | REPLACED                           | NO                            |
| PIPE ELBOW<br>3" 45°      | N/A                  | Cat ID<br>0430019696                            | n/a                | ASME SA-403,<br>GR WP-S 316      | N/A        | REPLACED                           | NO                            |

7. Description of Work REPLACE VALVE AND ADD LOOP SEAL TO SYSTEM8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒Other ☐ Pressure N/A psi. Test Temp. N/A F

TRCS

FORM NIS-2 (Back)

**Job Order/File 55247730-03**

9. Remarks: Fit-up/Final VT/PT plus RT, VT-2 System Leakage Test per Code Case N 416-1.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

Signed Philip Rhee Welding Program Administrator  
Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHUE / James M. Fitchue  
Engineering Programs

Date JUNE 13, 20 08**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-14-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
Inspector's Signature

Commissions: NB11412ANI, MI. 300959  
National Board, State, Province, and Endorsements

Date 6-13 20 08

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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/10/08

Sheet 1 of 2

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

Unit 1 Component 1-CS-536

JOB ORDER No. 55250094-01  
Repair Org. P.O. No., Job No., etc

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

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

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

5. (a) Applicable Const. Code ASME Sec. III 1986 Add. N/A Code Case N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

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

| Name of Component   | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|---|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 1-CS-536            |                      |   |                    |                      |            |                                    |                               |
| BALL VALVE ASSEMBLY | BNLI                 | Cat ID 0430033374                               | N/A                | 1-FCN-622-RO-14      | N/A        | REPLACE                            | NO                            |
|                     |                      |   |                    |                      |            |                                    |                               |
|                     |                      |   |                    |                      |            |                                    |                               |
|                     |                      |   |                    |                      |            |                                    |                               |

7. Description of Work REPLACE VALVE INTERNALS

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

INIT RLS

FORM NIS-2 (Back)  
**Job Order/File 55250094-01**

9. Remarks: VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCH/James M Fitch  
 Engineering Programs

Date JUNE 3, 20 08

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-15-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
 Inspector's Signature

Commissions: NB14342ANI, MI. 300959  
 National Board, State, Province, and Endorsements

Date 6-3 20 08

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/16/2008  
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-MS-135-1  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55253343-02  
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: MAIN STEAM SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N416-1  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification                      | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|---|------------|------------------------------------|-------------------------------|
| 1-MS-135-1        |                      |   |                    |   |            |                                    |                               |
| GATE VALVE        | HANCOCK              | Cat-ID<br>0430037420<br>UTC-0001318824          | NA                 | Model #<br>950W<br>SA-105<br>2" CLASS 800 | N/A        | REPLACED                           | NO                            |
| PIPE<br>2" Sch 80 | N/A                  | Cat-ID<br>0430014981<br>UTC-<br>0001312399      | N/A                | ASME<br>SA-106 GR-B                       | N/A        | REPLACED                           | NO                            |
|                   |                      |   |                    |   |            |                                    |                               |
|                   |                      |   |                    |   |            |                                    |                               |

7. Description of Work REPLACED VALVE AND PIPING
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ **X**  
Other ☐ Pressure N/A psi. Test Temp. N/A F

TRKS

FORM NIS-2 (Back)  
**Job Order/File 55253343-02**

9. Remarks: VT-2 Performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 19, 2008  
 Owner or Owner's Designee, Title

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

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-16-2008 to 4-30-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-27 20 08



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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWERDate 04/09/08

Name

P.O. Box 60 Fort Wayne, IN 46801Sheet 1 of 2

Address

2. Plant D.C. COOK NUCLEAR POWER PLANTUnit 1 Component 1-GBD-S573

Name

One Cook Place, Bridgman, MI 49106JOB ORDER No. 55270359-01

Address

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

3. Work Performed by AEP/D.C. COOK Maint. DepartmentType Code Symbol Stamp N/A

Name

One Cook Place, Bridgman, MI 49106Authorization No. N/A

Address

Expiration Date N/A4. Identification of System: BLOWDOWN SYSTEM ISI 25. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda**6. Identification of Components Repaired or Replaced and Replacement Components**

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification     | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|--------------------------|------------|------------------------------------|-------------------------------|
| 1-GBD-S573        |                      |   |                    |                          |            |                                    |                               |
| SNUBBER CONFIG -A | GRINNELL             | Cat-ID<br>0430024691<br>UTC-1296057<br>SN-33378 | N/A                | Model #<br>200N-1.5X5    | N/A        | REPLACE                            | NO                            |
| PIN               | N/A                  | Cat-ID<br>0430024975<br>UTC-1296118             | N/A                | TAPERED LOAD<br>3/4" NOM | N/A        | REPLACE                            | NO                            |
|                   |                      |   |                    |                          |            |                                    |                               |
|                   |                      |   |                    |                          |            |                                    |                               |
|                   |                      |   |                    |                          |            |                                    |                               |

7. Description of Work REPLACE SNUBBER AND COMPONENTS8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☐ \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

RKS

FORM NIS-2 (Back)  
**Job Order/File 55270359-01**

9. Remarks: VT-3 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator  
Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHUK / James M. Fitchuk  
Engineering Programs

Date JUNE 16, 20 08

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-15-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-16 20 08

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWERDate 04/09/08

Name

P.O. Box 60 Fort Wayne, IN 46801Sheet 1 of 2

Address

2. Plant D.C. COOK NUCLEAR POWER PLANTUnit 1 Component 1-AFW-S4033

Name

One Cook Place, Bridgman, MI 49106JOB ORDER No. 55271823-01

Address

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

3. Work Performed by AEP/D.C. COOK Maint. DepartmentType Code Symbol Stamp N/A

Name

One Cook Place, Bridgman, MI 49106Authorization No. N/A

Address

Expiration Date N/A4. Identification of System: FEEDWATER SYSTEM ISI CLASS 25. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

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

| Name of Component | Name of Manufacturer | Manufacturer Serial No.<br>(Material M&E, ASP, PO)        | National Board No. | Other Identification     | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|--------------------------|------------|------------------------------------|-------------------------------|
| 1-AFW-S4033       |                      |   |                    |                          |            |                                    |                               |
| SNUBBER           | GRINNELL             | Cat ID#<br>0430024700<br>UTC-0001319046<br>Serial # 36969 | N/A                | Model #<br>200/201N2.5X5 | N/A        | REPLACED                           | NO                            |
|                   |                      |   |                    |                          |            |                                    |                               |
|                   |                      |   |                    |                          |            |                                    |                               |
|                   |                      |   |                    |                          |            |                                    |                               |

7. Description of Work REPLACE SNUBBER8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☐ \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A FINIT RCS

FORM NIS-2 (Back)  
**Job Order/File 55271823-01**

9. Remarks: VT-3 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER / James M. Fitcher  
 Engineering Programs

Date MAY 20, 20 08

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-9-2008 to 4-30-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
 Inspector's Signature

Commissions: <sup>2143 11412</sup> NB11312ANI, MI. 300959  
 National Board, State, Province, and Endorsements

Date 5-27 20 08

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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/09/08Sheet 1 of 2

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

Unit 1 Component 1-AFW-S4029

JOB ORDER No. 55273419-01  
Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: FEEDWATER SYSTEM ISI CLASS 25. (a) Applicable Const. Code ANSI-B31.1 - 1983 Add. N/A Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda**6. Identification of Components Repaired or Replaced and Replacement Components**

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 1-AFW-S4029       |                      |   |                    |                      |            |                                    |                               |
| SNUBBER           | GRINNELL             | Cat ID<br>0430024683<br>UTC 0001309814          | N/A                | S/N<br>32548         | N/A        | REPLACE                            | NO                            |
|                   |                      |   |                    |                      |            |                                    |                               |
|                   |                      |   |                    |                      |            |                                    |                               |
|                   |                      |   |                    |                      |            |                                    |                               |

7. Description of Work REPLACE EXISTING SNUBBER WITH NEW SNUBBER

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

INIT RCS

FORM NIS-2 (Back)  
**Job Order/File 55273419-01**

9. Remarks: VT-3 Performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 15 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher  
 Engineering Programs

Date MAY 20, 2008

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-9-2008 to 4-30-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 5-27 2008

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

As Required by the Provisions of the ASME Code Section XI

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

Date 11/17/06Sheet 1 of 2

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

Unit 1 Component 1-TK-33

JOB ORDER No. 55281975-01  
Repair Org. P.O. No., Job No., etc

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

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

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

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

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

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 1-TK-33           |                      |   |                    |                      |            |                                    |                               |
| 1/4" PLATE        | N/A                  | Cat ID<br>0430153223<br>UTC 1305023             | N/A                | ASTM A240<br>1990    | N/A        | Replacement                        | NO                            |
| 10" PIPE          | N/A                  | Cat ID<br>0497000589<br>UTC 1310648             | N/A                | ASME SA312<br>TP 304 | N/A        | Replacement                        | NO                            |
|                   |                      |   |                    |                      |            |                                    |                               |
|                   |                      |   |                    |                      |            |                                    |                               |

7. Description of Work ADDED PLATE AND PIPE

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

INIT 

FORM NIS-2 (Back)  
Job Order/File 55281975-01

9. Remarks: PT performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

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

Date JAN 2, 20 07

Reviewed by JAMES M. FITCHER / Jan M. Fitcher  
 Engineering Programs

Date 1/3, 20 07

**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. 16855 Northchase Drive of HOUSTON, TEXAS 77060-6008. I, James Longenberger have inspected the components described in this Owner's Report during the period NOV 16, 2006 to JAN 5, 2007 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

James Longenberger  
 Inspector's Signature

Commissions NB/095 MT 300522, NI  
 National Board, State, Province, and Endorsements

Date JAN 5 2007

**ABS  
INC**



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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/15/08

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. 55288542-01  
Repair Org. P.O. No., Job No., etc

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

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

4. Identification of System: MAIN STEAM SYSTEM ISI 2

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

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

| Name of Component          | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification          | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|----------------------------|----------------------|---|--------------------|-------------------------------|------------|------------------------------------|-------------------------------|
| 1-MRV-221                  |                      |   |                    |                               |            |                                    |                               |
| VALVE STEM & PLUG ASSEMBLY | FISHER               | Cat-ID<br>04300688864                           | N/A                | 2" 600#<br>TYPE- EAS<br>VALVE | N/A        | REPLACE                            | NO                            |
|                            |                      |   |                    |                               |            |                                    |                               |
|                            |                      |   |                    |                               |            |                                    |                               |
|                            |                      |   |                    |                               |            |                                    |                               |
|                            |                      |   |                    |                               |            |                                    |                               |
|                            |                      |   |                    |                               |            |                                    |                               |

7. Description of Work REPLACE VALVE INTERNALS

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

RCS

FORM NIS-2 (Back)  
**Job Order/File 55288542-01**

## 9. Remarks:

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 15,  
 2008 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date JUNE 23, 2008  
Engineering Programs

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-18-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck TR Commissions: NB11412ANI, MI. 300959  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 6-18 2008

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/12/08  
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-50E  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55288822-01  
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: CHEMICAL VOLUME & CONTROL SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ASME DRAFT CODE, 1968, P/V Add. N/A Code Case N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

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

| Name of Component   | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|---|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 1-PP-50E            |                      |   |                    |                      |            |                                    |                               |
| MECH SEAL DISCHARGE | FLOWERVE             | Cat ID<br>0430015098                            | N/A                | BOM #<br>426224N-Q1  | N/A        | REPLACE                            | NO                            |
| MECH SEAL SUCTION   | FLOWERVE             | Cat ID<br>0430015099                            | N/A                | BOM #<br>426328N-Q1  | N/A        | REPLACE                            | NO                            |
|                     |                      |   |                    |                      |            |                                    |                               |
|                     |                      |   |                    |                      |            |                                    |                               |

7. Description of Work REPLACE DISCHARGE AND SUCTION MECH SEALS GLAND PLATES

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

INIT RIS

FORM NIS-2 (Back)  
**Job Order/File 55288822-01**

9. Remarks: VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER / James M. Inteluk  
 Engineering Programs

Date MAY 20, 2008

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA . 02108 I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-9-2008 to 4-13-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
 Inspector's Signature

Commissions: NB11412ANI, MI. 300959  
 National Board, State, Province, and Endorsements

Date 5-27 2008

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner AMERICAN ELECTRIC POWER Date 04/19/2008  
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. 55290281-05  
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 1
5. (a) Applicable Const. Code ASME SEC. III 1968 Add. N/A Code Case N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989. No Addenda

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

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO)                      | National Board No. | Other Identification               | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|--|--------------------|------------------------------------|------------|------------------------------------|-------------------------------|
| 1-SV-45A          |                      |  |                    |                                    |            |                                    |                               |
| SAFETY VALVE      | CROSBY               | Cat-ID<br>0430036392<br>UTC-0001317762<br>Serial. #<br>56499-00-0001 | NA                 | Model. #<br>6M6-HB-BP-86<br>TYPE.E | N/A        | REPLACED                           | NO                            |
|                   |                      |  |                    |                                    |            |                                    |                               |
|                   |                      |  |                    |                                    |            |                                    |                               |
|                   |                      |  |                    |                                    |            |                                    |                               |

## 7. Description of Work REPLACED SAFETY VALVE

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

RCS

FORM NIS-2 (Back)  
**Job Order/File 55290281-05**

9. Remarks: Pre-service NDE VT-3, VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 15, 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher  
 Engineering Programs

Date MAY 20, 2008

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-21-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck Commissions: NB11412ANI. MI. 300959  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 6-3 2008

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

As Required by the Provisions of the ASME Code Section XI

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

Date 03/28/08

Sheet 1 of 2

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

Unit 1 Component 1-CTS-124E

JOB ORDER No. 55291872-01

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

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

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

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

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 1-CTS-124E        |                      |   |                    |                      |            |                                    |                               |
| DISC              | N/A                  | Cat ID<br>0430033688                            | N/A                | ASTM 351             | N/A        | REPLACE                            | NO                            |
|                   |                      |   |                    |                      |            |                                    |                               |
|                   |                      |   |                    |                      |            |                                    |                               |
|                   |                      |   |                    |                      |            |                                    |                               |

7. Description of Work REPLACE VALVE INTERNALS

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

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

2105

FORM NIS-2 (Back)  
**Job Order/File 55291872-01**

## 9. Remarks:

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhen Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by AMES M. FITCHER / James M. Fitcher  
 Engineering Programs

Date MAY 28, 2008

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 3-4-2008 to 4-1-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
 Inspector's Signature

Commissions: NB41342ANI, MI. 300959  
 National Board, State, Province, and Endorsements

Date 5-28 2008



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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/20/08  
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-MS-543-L1.8  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55292537-08  
Address Repair Org. P.O. No., Job No., etc

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

4. Identification of System: MAIN STEAM SYSTEM ISI 3

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

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

| Name of Component     | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification     | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-----------------------|----------------------|---|--------------------|--------------------------|------------|------------------------------------|-------------------------------|
| 1-MS-543-L1.8         |                      |   |                    |                          |            |                                    |                               |
| PIPE 1" HALF COUPLING | N/A                  | Cat-ID 0430016958                               | N/A                | SA182, GR 304 SW, 3000 # | N/A        | REPLACE                            | NO                            |
| PIPE 4" Sch. 80       | N/A                  | EXISTING  | N/A                | ASME SA376 GR. TP316     | N/A        | EXISTING                           | NO                            |
|                       |                      |   |                    |                          |            |                                    |                               |
|                       |                      |   |                    |                          |            |                                    |                               |
|                       |                      |   |                    |                          |            |                                    |                               |
|                       |                      |   |                    |                          |            |                                    |                               |
|                       |                      |   |                    |                          |            |                                    |                               |

7. Description of Work REPLACE PIPING COMPONENTS

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

RCS

FORM NIS-2 (Back)  
**Job Order/File 55292537-08**

9. Remarks: Fit-up/Final VT and PT.

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 Phillip Rhew Welding Program Administrator Date May 15  
 2008 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUC / James M. Fitch Date JUNE 18, 2008  
 Engineering Programs

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-22-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-18 2008

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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/13/08

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-S-4023

JOB ORDER No. 55294264-01

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

4. Identification of System: FEEDWATER SYSTEM ISI 2

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

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

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

| Name of Component | Name of Manufacturer | Manufacturer Serial No.<br>(Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|--|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 1-AFW-S-4023      |                      |  |                    |                      |            |                                    |                               |
| BRACKET           | N/A                  | Cat-ID<br>0497003250<br>UTC-1317833                | N/A                | REAR MOUNTING        | N/A        | REPLACE                            | NO                            |
| PIN               | N/A                  | Cat-ID<br>0430024977<br>UTC-1296119                | N/A                | 1" NOM TAPERED LOAD  | N/A        | REPLACE                            | NO                            |
|                   |                      |  |                    |                      |            |                                    |                               |
|                   |                      |  |                    |                      |            |                                    |                               |
|                   |                      |  |                    |                      |            |                                    |                               |

7. Description of Work REPLACE SUPPORT BRACKETS AND COMPONENTS

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

2105

FORM NIS-2 (Back)  
**Job Order/File 55294264-01**

9. Remark: VT-3 performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 15, 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHUR / James M. Fitchur Date JUNE 16, 2008  
 Engineering Programs

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-15-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck Commissions: NB11412ANI, MI. 300959  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 6-16 2008

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

As Required by the Provisions of the ASME Code Section XI

Page 1 of 2

1. Owner AMERICAN ELECTRIC POWER Date 04/19/2008  
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. 55294293-05  
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 1
5. (a) Applicable Const. Code ASME SEC. III 1968 Add. N/A Code Case N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

## 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 | CROSBY               | Cat-ID<br>0430036392<br>UTC-0001317760<br>Serial #<br>N56499-01-0007 | NA                 | Model #<br>6M6-HB-BP-86<br>TYPE.E | N/A        | REPLACED                           | NO                            |
|                     |                      |  |                    |                                   |            |                                    |                               |
|                     |                      |  |                    |                                   |            |                                    |                               |
|                     |                      |  |                    |                                   |            |                                    |                               |

## 7. Description of Work REPLACED SAFETY VALVE

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

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NIT gnt

FORM NIS-2 (Back)  
**Job Order/File 55294293-05**

9. Remarks: VT-3 performed on internal surfaces.

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 Phillip Rhew Welding Program Administrator Date May 19, 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date MAY 20, 2008  
 Engineering Programs

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-21-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-3 2008

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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/19/2008

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-45C

JOB ORDER No. 55294294-05  
Repair Org. P.O. No., Job No., etc

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

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

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

5. (a) Applicable Const. Code ASME Sec. III 1968 N/A Code Case N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 No Addenda

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

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification  | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|-----------------------|------------|------------------------------------|-------------------------------|
| 1-SV-45C          |                      |   |                    |                       |            |                                    |                               |
| SAFETY VALVE      | CROSBY               | Cat-ID<br>0430036392<br>UTC-0001310444          | NA                 | SN#<br>N56499-01-0002 | N/A        | REPLACED                           | NO                            |
|                   |                      |   |                    |                       |            |                                    |                               |
|                   |                      |   |                    |                       |            |                                    |                               |
|                   |                      |   |                    |                       |            |                                    |                               |

7. Description of Work REPLACED SAFETY VALVE

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

INIT RCS

FORM NIS-2 (Back)  
**Job Order/File 55294294-05**

9. Remarks: VT-2 Performed & VT-3 performed on internal surfaces.

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 Phillip Rhew Welding Program Administrator Date May 19, 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher  
 Engineering Programs

Date MAY 20, 20 08

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-9-2008 to 4-30-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck / RKS  
 Inspector's Signature

Commissions: NB11412ANI, MI. 300959  
 National Board, State, Province, and Endorsements

Date 5-27 20 08



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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/13/2008  
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-104E  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55294550-01  
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: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2

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

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

| Name of Component  | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification            | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|---|--------------------|---------------------------------|------------|------------------------------------|-------------------------------|
| 1-SV-104E          |                      |   |                    |                                 |            |                                    |                               |
| VALVE SAFETY 2"X3" | CROSBY               | Cat-ID 0430036394<br>SERIAL # N-69972-00-0018   | NA                 | Model # JB25-3-TD-SPL<br>TYPE E | N/A        | REPLACED                           | NO                            |
|                    |                      |   |                    |                                 |            |                                    |                               |
|                    |                      |   |                    |                                 |            |                                    |                               |
|                    |                      |   |                    |                                 |            |                                    |                               |
|                    |                      |   |                    |                                 |            |                                    |                               |

7. Description of Work REPLACED SAFETY VALVE

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

RHS

FORM NIS-2 (Back)  
**Job Order/File 55294550-01**

9. Remarks: VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHUC / James M. Fitch  
 Engineering Programs

Date MAY 28, 20 08

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-18-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
 Inspector's Signature

Commissions: NB11312ANI, MI. 300959  
 National Board, State, Province, and Endorsements

Date 5-28 20 08

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

As Required by the Provisions of the ASME Code Section XI

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

Date 11/09/07Sheet 1 of 2

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

Unit 1 Component 1-TK-33JOB ORDER No. 55303819-02

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/AAuthorization No. N/AExpiration Date N/A4. Identification of System: EMERGENCY CORE COOLING SYSTEM ISI CLASS 25. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

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

| Name of Component                    | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification                  | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|--------------------------------------|----------------------|---|--------------------|---------------------------------------|------------|------------------------------------|-------------------------------|
| 1-TK-33                              |                      |   |                    |                                       |            |                                    |                               |
| FLANGE<br>SLIP ON 10"<br>RAISED FACE | N/A                  | Cat ID<br>0497003073                            | N/A                | ASME SA-182<br>GR. 304                | N/A        | REPLACE                            | NO                            |
| FLANGE<br>BLIND 10"<br>RAISED FACE   | N/A                  | Cat ID<br>497003072                             | N/A                | ASME SA-182<br>GR. 304                | N/A        | REPLACE                            | NO                            |
| NUT<br>HEAVY HEX                     | N/A                  | Cat ID<br>0430212110                            | N/A                | 7/8 IN DIA, 9<br>UNC, SA194<br>GR. 8F | N/A        | REPLACE                            | NO                            |
| ROD<br>THREADED                      | N/A                  | Cat ID<br>0430212300                            | N/A                | ASME SA453<br>GR. 660                 | N/A        | REPLACE                            | NO                            |

7. Description of Work INSTALL FLANGE AND PIPING COMPONENTS8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☒ Open Flow Path Verified Pressure N/A psi. Test Temp. N/A F

Rus

FORM NIS-2 (Back)  
**Job Order/File 55303819-02**

9. Remarks: Final VT / PT

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 Phillip Rhew Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER / James M. Schildt  
 Engineering Programs

Date JUNE 4, 20 08

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA, 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 6-4-2008 to 6-4-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-4 20 08

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/10/08  
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-RH-128E / 1-IMO-314  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55305753-14 / 15  
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component      | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|------------------------|----------------------|---|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 1-RH-128E<br>1-IMO-314 |                      |   |                    |                      |            |                                    |                               |
| VALVE BONNET           | N/A                  | EXISTING  | N/A                | N/A                  | N/A        | N/A                                | NO                            |
| VALVE INTERNALS        | N/A                  | EXISTING  | N/A                | N/A                  | N/A        | N/A                                | NO                            |
|                        |                      |   |                    |                      |            |                                    |                               |
|                        |                      |   |                    |                      |            |                                    |                               |

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

RCS

FORM NIS-2 (Back)

**Job Order/File 55305753-14 / 15**

9. Remarks: VT-2 Performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

Signed Phillip Rhew Welding Program Administrator  
Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by James M. Fitchuk/James M. Fitchuk  
Engineering Programs

Date JUNE 13, 20 08**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 1-30-2008 to 4-15-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
Inspector's Signature

Commissions: NB11412ANI, MI. 300959  
National Board, State, Province, and Endorsements

Date 6-13 2008

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/13/2008  
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-RH-164E  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55305753-17  
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by AEP/D.C. COOK Maint. Department Type Code Symbol Stamp N/A  
Name  
One Cook Place, Bridgman, MI 49106 Authorization No. N/A  
Address Expiration Date N/A
4. Identification of System: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N-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-RH-164E                            |                      |   |                    |                                  |            |                                    |                               |
| VALVE CHECK<br>TILTING DISC<br>8 IN, | FLOWERVE             | Cat-ID<br>0497001386                            | NA                 | ANSI CLASS<br>600<br>SA351-CF-8M | N/A        | REPLACED                           | NO                            |
| PIPE<br>8" Sch 40                    | N/A                  | Cat - ID<br>0497001317                          | NA                 | ASME<br>SA-312/376<br>GR TP304   | NA         | REPLACED                           | NO                            |
|                                      |                      |   |                    |                                  |            |                                    |                               |
|                                      |                      |   |                    |                                  |            |                                    |                               |

7. Description of Work REPLACED VALVE AND ASSOCIATED PIPING

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

RKS

FORM NIS-2 (Back)  
**Job Order/File 55305753-17**

9. Remarks: Fit-up VT, PT plus RT VT-2 System leakage test per Code Case N-416-1 performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 15, 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date MAY 28, 2008  
 Engineering Programs

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-15-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck <sup>11412 RKS</sup> Commissions: NB41342ANI, MI. 300959  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5-28 2008



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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/10/2008

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-128W / 1-IMO-324

JOB ORDER No. 55305754-15

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

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

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

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

| Name of Component      | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|------------------------|----------------------|---|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| 1-RH-128W<br>1-IMO-324 |                      |   |                    |                      |            |                                    |                               |
| VALVE<br>GATE 8"       | ANCHOR<br>DARLING    | EXISTING  | NA                 | Model. #<br>S70WDD   | N/A        | N/A                                | NO                            |
|                        |                      |   |                    |                      |            |                                    |                               |
|                        |                      |   |                    |                      |            |                                    |                               |
|                        |                      |   |                    |                      |            |                                    |                               |

7. Description of Work REMOVED BONNET / STEM AND INSTALLED IN 1-IMO-324

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

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

R145

FORM NIS-2 (Back)  
**Job Order/File 55305754-15**

9. Remarks: VT-2 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 15, 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / Jane M. Fitch Date MAY 28, 2008  
 Engineering Programs

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-1-2008 to 4-12-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck TKS Commissions: 11412 RKS NB41342ANI, MI. 300959  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 5-28 2008

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

As Required by the Provisions of the ASME Code Section XI

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

Date 03/31/08Sheet 1 of 2

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

Unit 1 Component 1-GRC-R-603JOB ORDER No. 55313439-05

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

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System: REACTOR COOLANT SYSTEM ISI CLASS 15. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda**6. Identification of Components Repaired or Replaced and Replacement Components**

| Name of Component          | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification       | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|----------------------------|----------------------|---|--------------------|----------------------------|------------|------------------------------------|-------------------------------|
| 1-GRC-R-603                |                      |   |                    |                            |            |                                    |                               |
| BAR FLAT                   | N/A                  | Cat-ID<br>0430153131<br>UTC-1304890             | N/A                | ASTM A-36<br>1/4" X 4 1/2" | N/A        | REPLACE                            | NO                            |
| BAR FLAT                   | N/A                  | Cat-ID<br>0430153154<br>UTC-1304924             | N/A                | ASTM A-36<br>1/4" X 1 1/2" | N/A        | REPLACE                            | NO                            |
| BEAM, STRUCTURAL S - SHAPE | N/A                  | Cat-ID<br>0430153249<br>UTC-1305083             | N/A                | ASTM A-36                  | N/A        | REPLACE                            | NO                            |
| BEAM, STRUCTURAL W - SHAPE | N/A                  | Cat-ID<br>0430153288<br>UTC-1305106             | N/A                | ASTM A-36                  | N/A        | REPLACE                            | NO                            |

7. Description of Work REPLACE PIPE SUPPORT COMPONENTS8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☐ \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

RKS

FORM NIS-2 (Back)  
**Job Order/File 55313439-05**

9. Remarks: VT plus MT or PT VT-3 performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rheu Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER James M. Fitcher  
 Engineering Programs

Date JUNE 16, 2008

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 3-19-2008 to 4-1-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
 Inspector's Signature

Commissions: NB11412ANI, MI. 300959  
 National Board, State, Province, and Endorsements

Date 6-18 2008

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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/24/08Sheet 1 of 2

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

Unit 1 Component 1-OME-3-3JOB ORDER No. 55316254-02 / 09

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

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A4. Identification of System: MAIN STEAM SYSTEM ISI CLASS 25. (a) Applicable Const. Code ASME SEC.III C.I.A 1965 thru 1966 Winter Add Code Case N/A(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda

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

| Name of Component   | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification      | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|---|--------------------|---------------------------|------------|------------------------------------|-------------------------------|
| 1-OME-3-3           |                      |   |                    |                           |            |                                    |                               |
| BOLT<br>1 1/4" X 5" | N/A                  | Cat ID<br>0430009778<br>P/N 651B293H03          | N/A                | SA-193<br>GR. B7<br>8 UNC | N/A        | REPLACE                            | NO                            |
|                     |                      |   |                    |                           |            |                                    |                               |
|                     |                      |   |                    |                           |            |                                    |                               |
|                     |                      |   |                    |                           |            |                                    |                               |

7. Description of Work REPLACE FLANGE FASTENER8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐Other ☐ \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

TRW

FORM NIS-2 (Back)  
**Job Order/File 55316254-02 / 09**

## 9. Remarks:


Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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


Signed  Phillip Rhew Welding Program Administrator Date May 15, 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitcher Date JUNE 4, 20 08  
 Engineering Programs

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-16-2008 to 4-25-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  Commissions: NB11412ANI, MI. 300959  
 Inspector's Signature National Board, State, Province, and Endorsements  
 Date 6-4 2008

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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/23/08

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-3-3

JOB ORDER No. 55316254-10

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

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

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

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

5. (a) Applicable Const. Code ASME SEC. III CI A 1965 thru 1966 Winter Add Code Case N-496-2

(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-3-3         |                      |   |                    |                       |            |                                    |                               |
| HELI-COIL         | BABCOCK WILCOX CO.   | Cat ID 040009806                                | N/A                | Model # 51R 18-8 S.S. | N/A        | REPLACE                            | NO                            |
|                   |                      |   |                    |                       |            |                                    |                               |
|                   |                      |   |                    |                       |            |                                    |                               |
|                   |                      |   |                    |                       |            |                                    |                               |

7. Description of Work INSTALL HELI-COIL IN FLANGE THREADS

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

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

RCS

FORM NIS-2 (Back)  
**Job Order/File 55316254-10**

## 9. Remarks:

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator Date May 15, 2008  
 Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCH/James M. Fitch  
 Engineering Programs

Date JUNE 4, 2008

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-21-2008 to 4-24-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-4 2008



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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/17/08Sheet 1 of 2

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

Unit 1 Component 1-ICM-265JOB ORDER No. 55316901-01 / 13

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

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

Type Code Symbol Stamp N/AAuthorization No. N/AExpiration Date N/A

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

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

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

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

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification        | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|-----------------------------|------------|------------------------------------|-------------------------------|
| 1-ICM-265         |                      |   |                    |                             |            |                                    |                               |
| VALVE DISC        | ANCHOR DARLING       | Cat ID<br>0430034023<br>UTC-1297460             | N/A                | ASME SA-182<br>TYPE<br>F316 | N/A        | REPLACE                            | NO                            |
| VALVE WEDGE LOWER | ANCHOR DARLING       | Cat ID<br>0430034089<br>UTC-1297539             | N/A                | ASTM A351<br>CF8M           | N/A        | REPLACE                            | NO                            |
| VALVE WEDGE UPPER | ANCHOR DARLING       | Cat ID<br>0430034088<br>UTC-1297538             | N/A                | ASTM A351<br>CF8M           | N/A        | REPLACE                            | NO                            |
| VALVE PIN         | N/A                  | Cat ID<br>0430034200<br>UTC-1297607             | N/A                | ASTM A276<br>T 316          | N/A        | REPLACE                            | NO                            |

7. Description of Work REPLACE VALVE INTERNALS

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

Other ☒ LLRT Pressure N/A psi. Test Temp. N/A F

RHS

FORM NIS-2 (Back)

**Job Order/File 55316901-01/13**

9. Remarks: LLRT Test..

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

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

Signed Phillip Rhew Welding Program Administrator  
Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER / James M. Fitcher  
Engineering Programs

Date JUNE 11, 2008**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-7-2008 to 4-11-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
Inspector's Signature

Commissions: NB11412ANI, MI. 300959  
National Board, State, Province, and Endorsements

Date 6/11 2008

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/20/08  
Name  
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 3  
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2 Component 1-GRH-R-508  
Name  
One Cook Place, Bridgman, MI 49106 Design Change 55317435-02  
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: RESIDUAL HEAT REMOVAL SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N 416-1  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements. 1989, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component              | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification         | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|--------------------------------|----------------------|---|--------------------|------------------------------|------------|------------------------------------|-------------------------------|
| 1-GRH-R-508                    |                      |   |                    |                              |            |                                    |                               |
| PIPE,<br>2" NPS                | N/A                  | Cat-ID<br>0430014981<br>UTC-1312399             | N/A                | SCH 80<br>ASME SA106<br>GR-B | N/A        | REPLACE                            | NO                            |
| NUT<br>HEX HEAVY<br>7/8" 9 UNC | N/A                  | Cat-ID<br>0430034412                            | N/A                | ASTM A194<br>GR. 2H          | N/A        | REPLACE                            | NO                            |
| BOLT<br>3/4" X 3 3/4"          | N/A                  | Cat-ID<br>0430047214                            | N/A                | ASTM A 325-94                | N/A        | REPLACE                            | NO                            |
| BAR<br>ROUND 3/4"              | N/A                  | Cat-ID<br>0430047214                            | N/A                | ASTM A36                     | N/A        | REPLACE                            | NO                            |
| BAR<br>ROUND 7/8"              | N/A                  | Cat-ID<br>0430153094                            | N/A                | ASTM A36                     | N/A        | REPLACE                            | NO                            |
| PLATE<br>CS. 1/4"              | N/A                  | Cat-ID<br>0430153202                            | N/A                | ASTM A36                     | N/A        | REPLACE                            | NO                            |

RCS

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

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

| Name of Component        | Name of Manufacturer | Manufacturer Serial No.<br>(Material M&E, ASP, PO) | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|--------------------------|----------------------|--|--------------------|----------------------|------------|------------------------------------|-------------------------------|
| PLATE<br>CS. 3/4"        | N/A                  | Cat-ID<br>0430153210                               | N/A                | ASTM A36             | N/A        | REPLACE                            | NO                            |
| PLATE<br>CS. 3/4"        | N/A                  | Cat-ID<br>0430153217                               | N/A                | ASTM A36             | N/A        | REPLACE                            | NO                            |
| SCREW<br>CAP 3/4" X 6"   | N/A                  | Cat-ID<br>0430211350                               | N/A                | SA193<br>GR. B7      | N/A        | REPLACE                            | NO                            |
| NUT<br>HEX HEAVY<br>3/4" | N/A                  | Cat-ID<br>0430211890                               | N/A                | SA194<br>GR. 2H      | N/A        | REPLACE                            | NO                            |

**7. Description of Work** REPLACE PIPING SUPPORT

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

*RUS*

FORM NIS-2 (Back)  
**Job Order/File 55317435-02**

9. Remarks: VT plus MT or PT, VT-3 Performed.

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

**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 Phillip R. Hew Welding Program Administrator Date May 15, 2008  
Owner or Owner's Designee, Title

Reviewed by JAMES M. FITCHER / James M. Fitch Date JUNE 16, 2008  
Engineering Programs

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period \_\_\_\_\_ to \_\_\_\_\_, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck ITL Commissions: NB11412ANI, MI. 300959  
Inspector's Signature National Board, State, Province, and Endorsements  
Date 6-16 2008

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

As Required by the Provisions of the ASME Code Section XI

1. Owner AMERICAN ELECTRIC POWER Date 04/24/08  
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-GSI-L-53  
Name  
One Cook Place, Bridgman, MI 49106 JOB ORDER No. 55317887-01  
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: SAFETY INJECTION SYSTEM ISI CLASS 2
5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N/A  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989, No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manufacturer Serial No. (Material M&E, ASP, PO) | National Board No. | Other Identification                 | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|---|--------------------|--------------------------------------|------------|------------------------------------|-------------------------------|
| 1-GSI-L-53        |                      |   |                    |                                      |            |                                    |                               |
| PLATE<br>1/2"     | N/A                  | Cat- ID<br>0430153226<br>UTC-1314558            | N/A                | ASTM A240<br>(90-02A ED)<br>T304, SS | N/A        | REPLACED                           | NO                            |
| PLATE<br>11 gage  | N/A                  | Cat- ID<br>0430153240<br>UTC-1317504            | N/A                | ASTM A240<br>TYPE 304,SS             | N/A        | REPLACED                           | NO                            |
|                   |                      |   |                    |                                      |            |                                    |                               |
|                   |                      |   |                    |                                      |            |                                    |                               |

7. Description of Work REPLACE HANGER MATERIALS
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
Other ☐ \_\_\_\_\_ Pressure N/A psi. Test Temp. N/A F

RM

FORM NIS-2 (Back)  
**Job Order/File 55317887-01**

9. Remarks: PT of pipe after existing lug are removed. Fit-up/Final VT/PT of new lugs  
 VT-3 Performed

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp NONE

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

Signed Phillip Rhew Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER / James M. Fitcher  
 Engineering Programs

Date JUN 13, 2008

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-23-2008 to 4-29-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Reuel K. Schenck  
 Inspector's Signature

Commissions: NB11412ANI, MI. 300959  
 National Board, State, Province, and Endorsements

Date 6-13 2008

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

As Required by the Provisions of the ASME Code Section XI

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

Date 04/27/08

Sheet 1 of 2

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

Unit 1 Component 1-NFP-222-V2

JOB ORDER No. 55318117-04

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: REACTOR COOLANT SYSTEM ISI CLASS 1

5. (a) Applicable Const. Code ANSI B31.1 1983 Add. N/A Code Case N-666

(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-NFP-222-V2        |                      |   |                    |                         |            |                                    |                               |
| PIPE<br>ELBOW 90°   | N/A                  | EXISTING  | N/A                | SA-182<br>GR. F304 SS.  | N/A        | REPAIR                             | NO                            |
| PIPE<br>¾" SCH. 160 | N/A                  | EXISTING  | N/A                | ASME S-376<br>GR. TP304 | N/A        | REPAIR                             | NO                            |
| WELD ROD            | N/A                  | UTC-1299652                                     | N/A                | ER-309L                 | N/A        | REPLACE                            | NO                            |
|                     |                      |   |                    |                         |            |                                    |                               |

7. Description of Work REPAIR PIPING COMPONENTS

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

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

RHS



FORM NIS-2 (Back)  
**Job Order/File 55318117-04**

9. Remarks: VT-1 Seal Weld, VT-1/PT on complete overlay, VT-1 IAW Code Case N-666.  
 NRC approval to use Code Case N-666 was provided on 4/26/08.

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 Phillip Rhew Welding Program Administrator  
 Owner or Owner's Designee, Title

Date May 15, 2008

Reviewed by JAMES M. FITCHER / James M. Fitcher  
 Engineering Programs

Date JUNE 16, 20 08

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by OneCIS Insurance Company of Boston MA. 02108. I, Reuel K. Schenck have inspected the components described in this Owner's Report during the period 4-26-2008 to 5-3-2008, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 6-16 2008