

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9401120018 DOC. DATE: 93/12/20 NOTARIZED: NO DOCKET #
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH. NAME AUTHOR AFFILIATION
 GIBSON, L.S. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION
 MARTIN, J.B. Document Control Branch (Document Control Desk) *See Report*

SUBJECT: Forwards index & NIS-2 forms for work performed during 1990
 Refueling Outage at Unit 2.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 2+180
 TITLE: OR Submittal: General Distribution

NOTES:

| | RECIPIENT ID CODE/NAME | COPIES LTTR ENCL | RECIPIENT ID CODE/NAME | COPIES LTTR ENCL |
|-----------|---------------------------|---------------------|---------------------------|---------------------|
| | PD3-1 LA | 1 1 | PD3-1 PD | 1 1 |
| | HICKMAN, J | 2 2 | | |
| INTERNAL: | NRR/DE/EELB | 1 1 | NRR/DORS/OTSB | 1 1 |
| | NRR/DRCH/HICB | 1 1 | NRR/DRPW | 1 1 |
| | NRR/DSSA/SPLB | 1 1 | NRR/DSSA/SRXB | 1 1 |
| | NUDOCS-ABSTRACT | 1 1 | OC/LEDCEB | 1 0 |
| | OGC/HDS2 | 1 0 | <u>REG FILE</u> 01 | 1 1 |
| EXTERNAL: | NRC PDR | 1 1 | NSIC | 1 1 |

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 16 ENCL 14

Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Attn: J.B. Martin

December 20, 1993

Dear Mr. Martin:

Attached is an index and NIS-2 forms for work performed during the 1990 Refueling Outage at the Donald C. Cook Nuclear Power Plant, Unit 2, State of Michigan, Number M-324232-M, located in Bridgman, Michigan. The Plant is owned by Indiana Michigan Power Company, One Summit Square, Ft. Wayne, Indiana 46802.

Most of the repairs and/or replacements (those marked with a * in the index) were reported after the 1990 outage. These NIS-2's have been Amended primarily to correct the Code of Construction used in Part 5a. Several other components (those not marked with a * in the index) were identified as a result of a Quality Assurance Audit as requiring reporting for disc/plug replacements. The two components marked with a "***" were worked during the 1992 outage, but were inadvertently overlooked during the reporting period.

The Repairs/Replacements were performed in accordance with ASME Section XI, 1983 Edition, Summer of 1983 Addenda.

Respectfully,

A handwritten signature in dark ink, appearing to read "L.S. Gibson", written over a horizontal line.

L.S. Gibson
Assistant Plant Manager
D.C. Cook Nuclear Plant

Attachment

c: File

100081

A001
111

9401120018 931220
PDR ADDCK 05000316
Q PDR



c: A.A.Blind,Jr. - w/o attachments
T.P.Beilman - w/o attachments
F.R.Pisarsky - w/o attachments
M.Muterspaugh - ANI
C.A.Freer - ISI
File #1.1A (Document Control)

...9401120018

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/10/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B007224, 2-CS-300W, 3" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired or Replace-ment | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|--------------------------|-------------------------------|
| VALVE 2-CS-300W | | | | | | | |
| DISC | VELAN VALVE | N/A | N/A | ASP-6113 | 1982 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/11/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B00122, 2-CS-321, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by SCALLY Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

5. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-CS-321 | | | | | | | |
| B/B STUDS | ATWOOD & MORRILL | N/A | N/A | ASP-10891 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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



AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BODY/BONNET STUDS ON VALVE 2-CS-321
Applicable Manufacturer's Data Reports to be attached

STUDS PURCHASED PER SPECIFICATION DCCPV833OCN AND

P.O.02910-041-7X.

Ref. JO # B00122 File:ME-VAL-2-CS-321

ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15-93, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10-20-90 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.

Mr. M. M. M. M. M. Commissions Mich 0055, ENDR
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/08/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B000124, 2-CS-329-L1, 3" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-CS-329L1 | | | | | | | |
| STUDS | TEXAS BOLT | N/A | N/A | ASP-10375 | 1988 | REPLCEMNT | NO |
| NUTS | NOVA MACHINE | N/A | N/A | ASP-11824 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

[illegible]

AMENDED
FORM NIS-2 (Back)

9. Remarks UNIT 2, REPLACED STUDS/NUTS ON VALVE 2-CS-329-L1.
Applicable Manufacturer's Data Reports to be attached

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV105OCN.

Ref. JO # B000124 File:ME-VAL-2-CS-329-L1 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93.
Owner or Owner's Designee, Title.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10-11-90 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.

MR Muterpaugh Commissions MICH 0055, END N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-16 19 93



1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/16/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B00108, 2-CS-523-1, VALVE
Address Repair Org. P.O. No., Job No., etc

3. Work Performed by FORD Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CHEMICAL VOLUME AND CONTROL

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2CS-523-1 | | | | | | | |
| B/B STUDS | NOVA MACHINE | N/A | N/A | ASP-11021 | 1989 | REPLCEMNT | NO |
| B/B NUTS | TEXAS BOLT | N/A | N/A | ASP-4184 | 1981 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

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

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

[illegible]

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BODY/BONNET STUDS/NUTS ON VALVE 2-CS-523-1
Applicable Manufacturer's Data Reports to be attached
STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105OCN
REF. 12-MM-088
Ref. JO # B00108 File:ME-VAL-2-CS-523-1 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Frank Pisarsky* Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 12-20-90 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.

W. A. Antunovich Commissions Mich 0055, ENDN I
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/16/90
Name
P.O. Box 60 Fort Wayne, IN 46801
Address
Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106
Address
B00128, 2-CS-523-2, VALVE
Repair Org. P.O. No., Job No., etc

3. Work Performed by LOVIN Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CHEMICAL VOLUME AND CONTROL

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2CS-523-2 | | | | | | | |
| B/B STUDS | NOVA MACHINE | N/A | N/A | ASP-11021 | 1989 | REPLCEMNT | NO |
| B/B NUTS | TEXAS BOLT | N/A | N/A | ASP-4184 | 1981 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

| | | | | | |
|--------------------|-------------|--|-----------|--|----------------------------|
| 8. Test Conducted: | Hydrostatic | | Pneumatic | | Nominal Operating Pressure |
|--------------------|-------------|--|-----------|--|----------------------------|

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



AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BODY/BONNET STUDS/NUTS ON VALVE 2-CS-523-2
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

REF. 12-MM-088

Ref. JO # B00128 File:ME-VAL-2-CS-523-2 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 12-20-90 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.

777 Mutapang Commissions MIL0055, END NFI
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

| | |
|---|--|
| 1. Owner <u>INDIANA MICHIGAN POWER COMPANY</u> | Date <u>08/16/90</u> |
| Name _____ | |
| <u>P.O. Box 60 Fort Wayne, IN 46801</u> | Sheet <u>1</u> of <u>2</u> |
| Address _____ | |
| 2. Plant <u>D.C. COOK NUCLEAR POWER PLANT</u> | Unit <u>2</u> |
| Name _____ | |
| <u>One Cook Place, Bridgman, MI 49106</u> | <u>B00109, 2-CS-523-3, VALVE</u> |
| Address _____ | Repair Org. P.O. No., Job No., etc _____ |
| 3. Work Performed by <u>YOUNG</u> | Type Code Symbol Stamp <u>N/A</u> |
| Name _____ | Authorization No. <u>N/A</u> |
| <u>Same as #2</u> | Expiration Date <u>N/A</u> |
| Address _____ | |
| 4. Identification of System <u>CHEMICAL VOLUME AND CONTROL</u> | |
| 5. (a) Applicable Const. Code <u>ANSI B31.1 1983 Ed., N/A</u> | Add. <u>N/A</u> Code Case _____ |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements <u>1983</u> | |
| <u>Summer 1983 Addenda</u> | |

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2CS-523-3 | | | | | | | |
| B/B STUDS | NOVA MACHINE | N/A | N/A | ASP-11021 | 1989 | REPLCEMNT | NO |
| B/B NUTS | TEXAS BOLT | N/A | N/A | ASP-4184 | 1981 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

| | | | | |
|-----|---|-------|--------------------|---------------------|
| N/A | X | Other | Pressure _____ psi | Test Temp. _____ °F |
|-----|---|-------|--------------------|---------------------|

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

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BODY/BONNET STUDS/NUTS ON VALVE 2-CS-523-3
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105QCN

REF. 12-MM-088

Ref. JO # B00109 File:ME-VAL-2-CS-523-3 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *F.R. Pisarsky* Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 12-20-90 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.

M.R. Waters Commissions Mich 0055, ENO NIT
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/16/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B00127, 2-CS-523-4, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MUNYON Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2CS-523-4 | | | | | | | |
| B/B STUDS | NOVA MACHINE | N/A | N/A | ASP-11021 | 1989 | REPLCEMNT | NO |
| B/B NUTS | TEXAS BOLT | N/A | N/A | ASP-4184 | 1981 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BODY/BONNET STUDS/NUTS ON VALVE 2-CS-523-4
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105QCN

REF. 12-MM-088

Ref. JO # B00127 File:ME-VAL-2-CS-523-4 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15-, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 12-20-90 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.

F.R. Pisarsky Commissions MICH0055, ENDRNT
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/10/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B015290, 2-CS-535, 3" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-CS-535 | | | | | | | |
| BONNET CH. | CONVAL, INC. | N/A | N/A | ASP-8593 | 1986 | REPLCEMNT | NO |
| DISC | CONVAL, INC. | N/A | N/A | ASP-12589 | 1990 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

N/A ☐ Other ☐ Pressure 2600/2235 psi Test Temp. AMBIENT °F

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

2000 2000 2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

2000

FORM NIS-2 (Back)

Remarks UNIT 2, REPLACED BONNET CHAMBER AND DISC ON VALVE 2-CS-535.
Applicable Manufacturer's Data Reports to be attached

BONNET CHAMBER PURCHASED PER SPEC. DCCPV832QCN AND

P.O. 72126-040-6X. DISC PURCHASED PER P.O. 02608-041-0X.

Ref. JO # B015290 File:ME-VAL-2-CS-535

ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date JULY 6, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 7-27-93 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.

[Signature]
 Inspector's Signature

Commissions Michigan, END NBT

National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date JULY 27 19 93

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/10/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B015302, 2-CS-536, 4" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-CS-536 | | | | | | | |
| DISC | CONVAL, INC. | N/A | N/A | ASP-12589 | 1990 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

卷之四

FORM NIS-2 (Back)

Remarks UNIT 2, REPLACED DISC IN VALVE 2-CS-536.Applicable Manufacturer's Data Reports to be attachedDISC PURCHASED PER P.O.02608-041-0X.Ref. JO # B015302 File:ME-VAL-2-CS-536ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 1993
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-13-93 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.

MR. Mutuspaugh Commissions Mich 0055, End NIT
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-13 19 93



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/10/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016726, 2-CS-536, 4" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-CS-536 | | | | | | | |
| DISC | CONVAL, INC. | N/A | N/A | ASP-8934 | 1986 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

卷之五

FORM NIS-2 (Back)

Remarks UNIT 2, REPLACED DISC IN VALVE 2-CS-536.Applicable Manufacturer's Data Reports to be attachedDISC PURCHASED PER SPEC. DCCPV832OCN AND P.O. 72126-040-6.Ref. JO # B016726 File:ME-VAL-2-CS-536ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 83
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-13-83 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.

M. J. Mutersbaugh Commissions MICHIGAN, ENGINEER
 Inspector's Signature National Board, State, Province, Endorsements

Date 4-13 19 83

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/16/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B16546, 2-CTS-138W, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by ELLISOR Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CONTAINMENT SPRAY
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-CTS-138W | ALOYCO | N/A | N/A | N/A | N/A | REPAIRED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ X
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, MACHINED .005" FROM GASKET SURFACE ON COVER TO
Applicable Manufacturer's Data Reports to be attached

VALVE 2-CTS-138W.

Ref. JO # B16546 File:ME-VAL-2-CTS-138W ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Frank Pisarsky* Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 8/8/90 to 10/23/90, 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.

H. F. Matusz Commissions Mich 0055, ENJ NFI
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 05/22/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B18578, 2-DCR-320, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by RICE, HERRMAN, RAYCRAFT Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

5. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-DCR-320 | | | | | | | |
| PLUG | HAMMEL-DAHL | N/A | N/A | ASP-11665 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE PLUG FOR VALVE 2-DCR-320
Applicable Manufacturer's Data Reports to be attached
PLUG PURCHASED PER SPECIFICATION DCCPV702OCN AND
AND P.O. 02207-041-9.
Ref. JO # B18578 File:ME-VAL-2-DCR-320 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93.
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 5-25-90 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.

MR. Mutspangl Commissions MICH 0055, ENDRSE
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

[illegible]

14

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/08/90
Name
P.O. Box 60 Fort Wayne, IN 46801
Address
Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106
Address
B04819, 2-FW-S12, SNUBBER
Repair Org. P.O. No., Job No., etc

3. Work Performed by WALLACE, REESE, ROHDY Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address
Expiration Date N/A

4. Identification of System FEEDWATER

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-FW-S12 | GRINNELL | 11570 | N/A | CYL. S/N 73352916-90 | 1973 | REPLACED | NO |
| SNUBBER | GRINNELL | 31279 | N/A | CYL. S/N 78304284-19 | 1978 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

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

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED SNUBBER 2-FW-S12, S/N 11570 WITH S/N 31279
Applicable Manufacturer's Data Reports to be attached

SNUBBER PURCHASED PER ORIGINAL DESIGN CRITERIA

Ref. JO # B04819 File:ME-VAL-2-FW-S12 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Frank Pisarsky*
F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

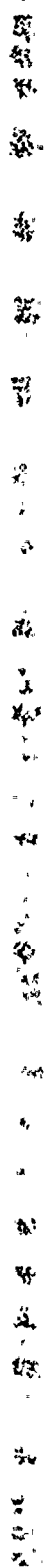
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2-6-91 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.

M. R. Matusz Commissions Mich 0055, ENCL N & I
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/15/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B004820, 2-FW-S2U, SNUBBER
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by WALLACE, REESE, ROHDY Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System FEEDWATER
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-FW-S2U | | | | | | | |
| TAPER PIN | GRINNELL | N/A | N/A | ASP-10364 | 1986 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED TAPER PIN ON SNUBBER 2-FW-S2U
Applicable Manufacturer's Data Reports to be attached

LOAD PIN PURCHASED PER SPECIFICATION DCCPV402OCN

Ref. JO # B004820 File:ME-VAL-2-FW-S2U

ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2-6-91 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.

M. R. Muttersbaugh Commissions Mich 0055, ENP NFE
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/15/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B51200, 2-FW-S7, SNUBBER
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by WALLACE, REESE, ROHDY Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System FEEDWATER
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

5. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-FW-S7 | GRINNELL | 11566 | N/A | CYL. S/N 73352916-91 | 1973 | REPLACED | NO |
| SNUBBER | GRINNELL | 20616 | N/A | CYL. S/N 76113248-31 | 1976 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure psi Test Temp. °F

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

[illegible]

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED SNUBBER 2-FW-S7, S/N 11566 WITH S/N 20616
Applicable Manufacturer's Data Reports to be attached

SNUBBER PURCHASED PER ORIGINAL DESIGN CRITERIA

Ref. JO # B51200 File:ME-VAL-2-FW-S7 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2-6-91 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.

M.A. Muthaiah Commissions Michigan, ENINTE
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

1. 研究の目的と意義
2. 研究の背景と動機
3. 研究の範囲と対象
4. 研究の方法と手順
5. 研究の結果と考察
6. 研究の結論と今後の展望

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 05/17/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B50176, 2-GCTS-S115S, SNUBBER
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by HESS, DOBBINS, BACKUS Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System CONTAINMENT SPRAY
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------------|----------------------|-------------------|----------------|--------------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-GCTS-S115S | GRINNELL | 18522 | N/A | CYL. S/N 75503196-87 | 1975 | REPLACED | NO |
| SNUBBER | GRINNELL | 31256 | N/A | CYL. S/N 76181172-132 | 1976 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED SNUBBER 2-GCTS-S115S, S/N 18522 WITH
Applicable Manufacturer's Data Reports to be attached
S/N 31256. SNUBBER PURCHASED TO ORIGINAL DESIGN CRITERIA
Ref. JO # B50176 File:ME-VAL-2-GCTS-S115S ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 3/5, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-28-91 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.

FR Pisarsky Commissions Mich 0055, EN & N & I
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 05/16/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B50175, 2-GCTS-S116W, SNUBBER
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by IMLER, ALLENSPACH, LAYMAN Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CONTAINMENT SPRAY
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------------|----------------------|-------------------|----------------|--------------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-GCTS-S116W | GRINNELL | 28518 | N/A | CYL. S/N 76124910-148 | 1976 | REPLACED | NO |
| SNUBBER | GRINNELL | 31260 | N/A | CYL. S/N R78317496-9 | 1978 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED SNUBBER 2-GCTS-S116W, S/N 28518 WITH
Applicable Manufacturer's Data Reports to be attached

S/N 31260. SNUBBER PURCHASED TO ORIGINAL DESIGN CRITERIA

Ref. JO # B50175 File:ME-VAL-2-GCTS-S116W ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Frank Yarns Date 3-15, 19 93
F.R. Pisarsky, Maint. Eng. Supervisor
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2-6-91 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.

M. F. Mutares Commissions Mich 0055, EN 0 NFI
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/04/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B07221, 2-GRC-S609, SNUBBER
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by REESE, IMLER Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-----------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-GRC-S609 | | | | | | | |
| CONTROL VALVE | GRINNELL | AH-1575 | N/A | SNUBBER S/N 12980 | 1977 | REPLACED | NO |
| CONTROL VALVE | GRINNELL | 41-2861 | N/A | ASP-11636 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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



AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED CONTROL VALVE ON SNUBBER 2-GRC-S609
Applicable Manufacturer's Data Reports to be attached

CONTROL VALVE PURCHASED PER SPECIFICATION DCCPV402OCN

Ref. JO # B07221 File:ME-VAL-2-GRC-S609 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Frank Pisarsky
F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-28-91 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.

MR. Matusz Commissions Mich 0055, End NBT
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1. The first part of the document is a list of names and dates, which appears to be a roster or a list of participants in a meeting or conference. The names are written in a cursive script, and the dates are written in a more formal, printed style. The list is organized into two columns, with names on the left and dates on the right.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/25/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B004526, 2-GRC-S629, SNUBBER
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by WALLACE Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const: Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-----------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-GRC-S629 | | | | | | | |
| LOAD PIN | GRINNELL | N/A | N/A | ASP-10364 | 1986 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- N/A ☒ Other ☐ Pressure psi Test Temp. °F

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

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED LOAD PIN ON SNUBBER 2-GRC-S629
Applicable Manufacturer's Data Reports to be attached

LOAD PIN PURCHASED PER SPECIFICATION DCCPV402OCN

Ref. JO # B004526 File:ME-VAL-2-GRC-S629 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2-6-91 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.

M. Z. Matusz Commissions Mich 0055, END N&T
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-16 19 93

上卷全書終

1. Owner INDIANA MICHIGAN POWER COMPANY Date 07/02/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016537, 2-IFX-215-OR, ORIFICE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by SMITH Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CONTAINMENT SPRAY
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-----------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| ORIFICE 2IFX-2150R | | | | | | | |
| STUDS/NUTS | CARDINAL | N/A | N/A | ASP-10614 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F.

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

一、
二、
三、
四、
五、
六、
七、
八、
九、
十、
十一、
十二、
十三、
十四、
十五、
十六、
十七、
十八、
十九、
二十、

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED STUDS/NUTS FOR ORIFICE 2-IFX-215-OR
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105QCN

REF. JO# B016537 FILE:ME-VAL-2-IFX-215-OR ISI CLASS: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-91 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.

Mr. Matusz Commissions Mich 0055, END NIT
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

101

102

103

104

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 07/02/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016741, 2-IFX-220-OR, ORIFICE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by VERN Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CONTAINMENT SPRAY
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-----------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| ORIFICE 2IFX-220OR | | | | | | | |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-10818 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED STUDS/NUTS FOR ORIFICE 2-IFX-220-OR
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

REF. JO# B016741 FILE:ME-VAL-2-IFX-220-OR ISI CLASS: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-91 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.

Max M. Matusz Commissions Mich 0055, ENJNTE
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 4-3-92
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit # 2
Name
One Cook Place, Bridgman, MI 49106 C 4362-4 2-IMO-316, fasteners
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by Maintenance Department Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System RESIDURAL HEAT REMOVAL
5. (a) Applicable Const. Code ANSI B31.1 19 83Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983. Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|-----------------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| 2-IMO-316 | | | | | | | |
| BONNET STUDS & NUTS | Cardinal Ind. Products Inc. | N/A | N/A | ASP# 13301 | 1990 | REPLACED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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



FORM NIS-2 (Back)

9. Remarks UNIT# 2, REPLACED BONNET STUDS AND NUTS DUE TO UNIDENTIFIABILITY
Applicable Manufacturer's Data Reports to be attached

Code of Construction to which fasteners were manufactured: ASME
B&PV, SEC.III, Class 2, Subsection NC, 1986 Edition

Ref. JO: C 4362-4 File: 2IMO-316 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Frank Pisarsky, Maint. Eng. Supervisor Date 2-4-93, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-3-92 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.

MIT Matinspaugh Commissions Mich 0055 EN & N I
Inspector's Signature National Board, State, Province, Endorsements

Date Feb 4 19 93

*FACTORY MUTUAL SYSTEM ENGINEERING ASSOCIATION

卷之四

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/17/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B018041, 2-IMO-325, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by ELLENER Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-IMO-325 | | | | | | | |
| STUDS/NUTS | BAYLINE BOLT | N/A | N/A | ASP-2140 | 1979 | REPLCEMNT | NO |
| STUDS/NUTS | CARDINAL | N/A | N/A | ASP-11683 | 1989 | REPLCEMNT | NO |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-11909 | 1989 | REPLCEMNT | NO |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-12413 | 1988 | REPLCMNT | NO |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1. 關於本會之組織及職權範圍
2. 關於本會之經費來源及分配
3. 關於本會之業務範圍及執行
4. 關於本會之對外關係及合作
5. 關於本會之內部管理及紀律
6. 關於本會之對外宣傳及教育
7. 關於本會之對外聯絡及交通
8. 關於本會之對外接待及禮儀
9. 關於本會之對外代表及授權
10. 關於本會之對外簽名及印章

1

2

3

4

5

6

7

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/20/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016836, 2-IMO-326, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MATHEAS Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-IMO-326 | | | | | | | |
| STUDS/NUTS | BAYLINE BOLT | N/A | N/A | ASP-2140 | 1979 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work _____ (See Remarks)

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

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

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



AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS/NUTS ON VALVE 2-IMO-326
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPM1050CN

Ref. JO # B016836 File:ME-VAL-2-IMO-326 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Frank Pisarsky Maint. Eng. Supervisor Date 7-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-91 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.

M. R. M. T. T. T. T. T. Commissions Mich 0055, END N.E.
Inspector's Signature National Board, State, Province, Endorsements

Date 3-16 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

[illegible]

Fig. 3

52

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/23/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016699, 2-IPX-254-V1 3/4" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2IPX-254V1 | N/A | N/A | N/A | N/A | N/A | REPAIRED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure psi Test Temp. °F.

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



FORM NIS-2 (Back)

9. Remarks UNIT 2, REMOVED ARC MARKS FROM VALVE BONNET BY FILING ON
Applicable Manufacturer's Data Reports to be attached

VALVE 2-IPX-254-V1.

Ref. JO # B016699 File:ME-VAL-2-IPX-254-V1 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 2-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 7-13-93 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.

MA McLoose Commissions McLoose, EN, IN, IT
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 7-13 19 93

五、六、七、八

2

三

•

1

3

22

434

—

,

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/20/90
Name
P.O. Box 60 Fort Wayne, IN 46801
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B006833, 2-MCM-231, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by STERNBERGER Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MCM-231 | N/A | N/A | N/A | N/A | N/A | REPAIRED | NO |
| BONNET | ROCKWELL INT. | N/A | N/A | ASP-11082 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

N/A Other Pressure _____ psi Test Temp. _____ °F

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



AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BONNET AND REPAIRED BODY ON VALVE 2-MCM-231
Applicable Manufacturer's Data Reports to be attached

BONNET PURCHASED PER P.O.07590-041-8X. REPAIRS PERFORMED PER

WPS'S 15.5 AND 20.3

Ref. JO # B006833 File:ME-VAL-2-MCM-231 ISI Class: 2

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 N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3/15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-91 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.

[Signature] Commissions Mich 0055, EN IN EI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-17 19 93

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/24/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B011574, 2-MRV-210, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N-416 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-210 | ATWOOD & MORRILL | N/A | N/A | N/A | N/A | REPAIRED | NO |
| STUDS/NUTS | A & M | N/A | N/A | ASP-461 | 1974 | REPLCEMNT | NO |
| STUDS/NUTS | A & M | N/A | N/A | ASP-8391 | 1984 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

Work of 1913

1913

1913

1913

1913

1913

1913

1913

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS/NUTS & PERFORMED WELD REPAIR OF
Applicable Manufacturer's Data Reports to be attached

VENT LINE PER WPS 1.1 ON VALVE 2-MRV-210. REF. 02-MM-079

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV803OCN

Ref. JO # B011574 File:ME-VAL-2-MRV-210 ISI Class: 2

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 N/A

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

Signed *Frank Pisarsky* Maint. Eng. Supervisor Date 3.15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-91 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.

MR. [Signature] Commissions Mich. BOSS, ENDRY
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-17 19 93

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 07/09/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B012012, 2-MRV-211, 2" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN-STEAM
5. (a). Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-211 | | | | | | | |
| PLUG | FISHER CNTRLs | N/A | N/A | ASP-12122 | 1987 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

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

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED PLUG IN VALVE 2-MRV-211.
Applicable Manufacturer's Data Reports to be attached
PLUG DEDICATED PER DEDICATION PLAN DCCPV12DP071, REV.0.
Ref. JO # B012012 File:ME-VAL-2-MRV-211 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 7-13-93 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.

MR. Mutisangh Commissions MICH 0055, ENGR II
 Inspector's Signature National Board, State, Province, Endorsements

Date 4-13 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



家傳

27
28
29

五

۵۰

4

100

4

4

58

10

2

40

4

45

2

•

22

10



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/23/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B012013, 2-MRV-212, 2" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|-------------------------|-------------------------------|
| VALVE 2-MRV-212 | | | | | | | |
| PLUG | FISHER CNTRLs | N/A | N/A | ASP-12013 | 1990 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED PLUG IN VALVE 2-MRV-212.
Applicable Manufacturer's Data Reports to be attached
PLUG PURCHASED PER SPECIFICATION DCCPV702OCN AND
P.O.02316-041-9X.
Ref. JO # B012013 File:ME-VAL-2-MRV-212 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 1993.
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-13-93 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.

M.E. Manton Commissions M.E. 0055, Encl N.E.I.
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-13 19 93



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

As Required by the Provisions of the ASME Code Section XI

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/19/90 & 01/24/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B001150/B11576, 2-MRV-220, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N-416 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-220 | ATWOOD & MORRILL | N/A | N/A | N/A | N/A | REPAIRED | NO |
| STUD | NOVA MACHINE | N/A | N/A | ASP-12000 | 1990 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 N/A ☐ Other ☐ Pressure psi Test Temp. °F

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

101

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPAIRED BODY FLANGE HOLE AND FABRICATED STUDS FROM
Applicable Manufacturer's Data Reports to be attached

BAR STOCK PURCHASED PER DCCPV1050CN. REF. 02-MM-079

CUT AND REWELDED VENT LINE USING WPS 1.1
B001150/
Ref. JO # B011576 File:ME-VAL-2-MRV-220 ISI Class: 2

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 N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-91 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.

M.R. Matusz Commissions Mich 0055, END NET
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/18/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B003101, 2-MRV-222, 2" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-222 | | | | | | | |
| PLUG | FISHER CNTRLS | N/A | N/A | ASP-10924 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED PLUG IN VALVE 2-MRV-222.
Applicable Manufacturer's Data Reports to be attached

PLUG PURCHASED PER P.O.00521-041-9X.

Ref. JO # B003101 File:ME-VAL-2-MRV-222 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-13-93 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.

W.H. Hutterbaugh Commissions Mich 0055, EN & NFI
 Inspector's Signature National Board, State, Province, Endorsements

Date 4-13 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 02/05/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B000300, 2-MRV-223, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-223 | FISHER | N/A | N/A | N/A | N/A | REPAIRED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 N/A ☐ Other ☐ Pressure psi Test Temp. °F

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

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPAIRED DAMAGED SEATING SURFACE ON BONNET & BONNET
Applicable Manufacturer's Data Reports to be attached

SPACER FOR VALVE 2-MRV-223, WELDED PER WPS 16.3 AND MACHINED TO
ORIGINAL CONFIGURATION

Ref. JO # B000300 File:ME-VAL-2-MRV-223 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-30-90 to 2-14-90, 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.

M.R. Martignault Commissions Mich 0055, ENDNLI
 Inspector's Signature, National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-17 19 93

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

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

As Required by the Provisions of the ASME Code Section XI

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/31/91
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016330, 2-MRV-223, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-223 | FISHER CNTRLS | N/A | N/A | N/A | N/A | REPAIRED | NO |
| PLUG | FISHER CNTRLS | N/A | N/A | ASP-11279 | 1989 | REPLCEMNT | NO |
| STUDS | DUBOSE STEEL | N/A | N/A | ASP-12579 | 1990 | REPLCEMNT | NO |
| NUTS | CARDINAL IND. | N/A | N/A | ASP-13193 | 1990 | REPLCEMNT | NO |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure psi Test Temp. °F

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

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

FORM NIS-2 (Back)

9. Remarks Unit 2, REPAIRED DAMAGED SEALING SURFACE ON BODY & SPACER.
Applicable Manufacturer's Data Reports to be attached

REPLACED PLUG, STUDS AND NUTS. PLUG PURCHASED PER DCCPV702OCN.

STUDS PURCHASED PER DCCPV105OCN. NUTS PURCHASED PER ASME

SECTION III, 1986 EDITION AND P.O. #07295-041-0X.

Ref. JO # B016330 File:ME-VAL-2-MRV-223

ISI Class: 2

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 N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 9-7, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 8/20/93 to 9/4/93, 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.

M.R. Matusz Commissions MICHIGAN, ENDORS
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 9/8 19 93



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/24/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B011578, 2-MRV-230, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N-416 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-230 | ATWOOD & MORRILL | N/A | N/A | N/A | N/A | REPAIRED | NO |
| B/B STUDS | A & M | N/A | N/A | ASP-461 | 1974 | REPLCEMNT | NO |
| B/B STUDS | A & M | N/A | N/A | ASP-7119 | 1984 | REPLCEMNT | NO |
| B/B NUTS | A & M | N/A | N/A | ASP-461 | 1974 | REPLCEMNT | NO |
| B/B NUTS | A & M | N/A | N/A | ASP-8391 | 1990 | REPLCMNT | NO |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

AMENDED
FORM NIS-2 (Back)

9. Remarks UNIT 2, REPLACED B/B STUDS/NUTS & PERFORMED WELD REPAIR OF
Applicable Manufacturer's Data Reports to be attached

VENT LINE PER WPS 1.1 ON VALVE 2-MRV-230, REF. 02-MM-079.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV803OCN

Ref. JO # B011578 File:ME-VAL-2-MRV-230 ISI Class: 2

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 N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-12-90 to 1-22-90, 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.

M.R. Mutersbaugh Commissions Mich 0055, ENDORSE
Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Vertical text on the left margin, likely bleed-through from the reverse side of the page.

Main body of text, appearing as faint, illegible characters, possibly bleed-through from the reverse side.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 05/11/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B018393, 2-MRV-232, 2" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-232 | | | | | | | |
| PLUG | FISHER CNTRLs | N/A | N/A | ASP-12122 | 1987 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

[illegible]

FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED PLUG IN VALVE 2-MRV-232.
Applicable Manufacturer's Data Reports to be attached
PLUG DEDICATED PER DEDICATION PLAN DCCPV12DP071, REV.0 AND
P.O.34548-040-7Y.
Ref. JO # B018393 File:ME-VAL-2-MRV-232 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-8, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-13-93 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.

MR. Christopher Commissions MICH 0055, ENG NIT
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-13 19 93

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/11/91
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B013353, 2-MRV-233, 6" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-233 | | | | | | | |
| PLUG | FISHER CNTRLS | N/A | N/A | ASP-9560 | 1987 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1995

1996

1997

1998

1999

2000

2001

2002

2003

2004

2005

2006

2007

2008

2009

2010

2011

2012

2013

2014

2015

FORM NIS-2 (Back)

Remarks Unit 2, REPLACED PLUG IN VALVE 2-MRV-233.
Applicable Manufacturer's Data Reports to be attached

PLUG PURCHASED PER SPECIFICATION DCCPV702OCN AND

P.O.04029-041-6X.

Ref. JO # B013353 File:ME-VAL-2-MRV-233 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R.Pisarsky Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-13-93 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.

W.B. Minterbaugh Commissions Mich 0055, ENR NBT
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-13 19 93

[illegible][illegible]

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

Endorsement
 I AGREE

1 2 3 4 5 6 7

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/24/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B011580, 2-MRV-240, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N-416 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MRV-240 | ATWOOD & MORRILL | N/A | N/A | N/A | N/A | REPAIRED | NO |
| STUD | A & M | N/A | N/A | ASP-461 | 1974 | REPLCEMNT | NO |
| NUT | A & M | N/A | N/A | ASP-7119 | 1982 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUD/NUT, CUT AND REWELDED VENT LINE
Applicable Manufacturer's Data Reports to be attached

PER WPS 1.1 ON VALVE 2-MRV-240

REF. 02-MM-079

STUD AND NUT PURCHASED PER SPECIFICATION DCCPV803OCN

Ref. JO # B011580 File:ME-VAL-2-MRV-240

ISI Class: 2

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 N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-12-90 to 1-22-90, 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.

M.R. Mutapourah Commissions Mich 0055, Eng. N.B.I.
Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1. The first part of the document is a list of names and addresses of the members of the committee.

2. The second part of the document is a list of names and addresses of the members of the committee.

3. The third part of the document is a list of names and addresses of the members of the committee.

4. The fourth part of the document is a list of names and addresses of the members of the committee.

5. The fifth part of the document is a list of names and addresses of the members of the committee.

6. The sixth part of the document is a list of names and addresses of the members of the committee.

7. The seventh part of the document is a list of names and addresses of the members of the committee.

8. The eighth part of the document is a list of names and addresses of the members of the committee.

9. The ninth part of the document is a list of names and addresses of the members of the committee.

10. The tenth part of the document is a list of names and addresses of the members of the committee.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/17/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B54408, 2-MS-135-1, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by BARINKA, BRINKS, NANCE Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MS-135-1 | HANCOCK | N/A | N/A | N/A | N/A | REPLACED | NO |
| VALVE | VOGT MACHINE | N/A | N/A | ASP-12187 | 1989 | REPLCEMNT | NO |
| 2" SCH. 80 PIPE (CS) | RADNOR ALLOYS | N/A | N/A | ASP-12091 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE AND 2" CS SCH 80 PIPE. REF. 12-MM-22.86
Applicable Manufacturer's Data Reports to be attached

WELDED PER WPS 1.1. VALVE PURCHASED PER SPECIFICATION

DCCPV830OCN. PIPE PURCHASED PER SPECIFICATION DCCPV105OCN.

Ref. JO # B54408 File:ME-VAL-2-MS-135-1 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10-16-90 to 11/5/90, 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.

M. R. Muterbaugh Commissions Mich 0055, ENR N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-17 19 93



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/17/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B008101, 2-MS-135-2, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by GRAVENMIER, BRINKS Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------------|-------------------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MS-135-2 | HANCOCK | N/A | N/A | N/A | N/A | REPLACED | NO |
| VALVE | VOGT MACHINE | N/A | N/A | ASP-12187 | 1989 | REPLCEMNT | NO |
| 2" SCH. 80 PIPE (CS) | CAPITAL PIPE & STEEL PROD. | N/A | N/A | ASP-10859 | 1986 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

Handwritten text, possibly a list or index, located on the left side of the page.

Handwritten text, possibly a title or heading, located in the center of the page.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE AND 2" CS SCH 80 PIPE, REF. 12-MM-22
Applicable Manufacturer's Data Reports to be attached
WELDED PER WPS'S 1.1 AND 20.1. VALVE PURCHASED PER SPECIFICATION
DCCPV830OCN. PIPE PURCHASED PER SPECIFICATION DCCPV105OCN.
Ref. JO # B008101 File:ME-VAL-2-MS-135-2 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed Frank Lisowsky Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 7-27-90 to 10-12-90, 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.

MR. Mutapang Commissions MICH 0055, ENDNFI
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1. The first of the two main parts of the report is a description of the work done during the year.

2. The second part is a summary of the results of the work.

3. The third part is a list of the references.

4. The fourth part is a list of the names of the persons who have contributed to the work.

5. The fifth part is a list of the names of the persons who have assisted in the work.

6. The sixth part is a list of the names of the persons who have been consulted in the work.

7. The seventh part is a list of the names of the persons who have been consulted in the work.

8. The eighth part is a list of the names of the persons who have been consulted in the work.

9. The ninth part is a list of the names of the persons who have been consulted in the work.

10. The tenth part is a list of the names of the persons who have been consulted in the work.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 07/29/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B005138, 2-MS-135-3, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MS-135-3 | HANCOCK | N/A | N/A | N/A | N/A | REPLACED | NO |
| VALVE | VOGT MACHINE | N/A | N/A | ASP-12187 | 1989 | REPLCEMNT | NO |
| 2" SCH. 80 PIPE (CS) | DUBOSE STEEL | N/A | N/A | ASP-10859 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

[illegible]

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE AND 2" CS SCH 80 PIPE. REF. 12-MM-22
Applicable Manufacturer's Data Reports to be attached
WELDED PER WPS 1.1. VALVE PURCHASED PER SPECIFICATION
DCCPV830OCN. PIPE PURCHASED PER SPECIFICATION DCCPV105OCN.
Ref. JO # B005138 File:ME-VAL-2-MS-135-3 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 1993
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 7-17-90 to 10-12-90, 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.

F.R. Pisarsky Commissions Mich 0055, End P & T
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 1993

*FACTORY MUTUAL ENGINEERING ASSOCIATION

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/17/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B54410, 2-MS-135-4, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by ANTHONY, MCCLELLEN Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-MS-135-4 | HANCOCK | N/A | N/A | N/A | N/A | REPLACED | NO |
| VALVE | VOGT MACHINE | N/A | N/A | ASP-12187 | 1989 | REPLCEMNT | NO |
| 2" SCH. 80 PIPE (CS) | RADNOR ALLOYS | N/A | N/A | ASP-12091 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 N/A ☐ Other ☐ Pressure psi Test Temp. °F

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

卷之六

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE AND 2" CS SCH 80 PIPE. REF. 12-MM-22
Applicable Manufacturer's Data Reports to be attached

WELDED PER WPS 1.1. VALVE PURCHASED PER SPECIFICATION

DCCPV830QCN. PIPE PURCHASED PER SPECIFICATION DCCPV105QCN.

Ref. JO # B54410 File:ME-VAL-2-MS-135-4 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Frank Pisarsky* Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10-16-90 to 11-5-90, 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.

Frank Pisarsky Commissions Mich 0055, ENDRIT
Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/15/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 A004818, 2-MSS-4, SNUBBER
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by REESE, WALLACE, ROHDY Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|------------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-MSS-4 | GRINNELL | 11581 | N/A | CYL. S/N 73212356 | 1973 | REPLACED | NO |
| SNUBBER | GRINNELL | 18192 | N/A | CYL. S/N 76132191-4 | 1976 | REPLCEMNT | NO |
| ROD EYE | GRINNELL | N/A | N/A | ASP-1209 | 1977 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED SNUBBER AND ROD EYE ON 2-MSS-4
Applicable Manufacturer's Data Reports to be attached

SNUBBER PURCHASED PER ORIGINAL DESIGN SPECIFICATION. ROD EYE
PURSHASED PER SPECIFICATION DCCPV402QCN

Ref. JO # A004818 File:ME-VAL-2-MSS-4 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-28-91 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.

M.R. Muterpaugh Commissions Mich 0055, ENCL N & I
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/04/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B004664, 2-NRV-151, 3" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-NRV-151 | | | | | | | |
| PLUG | DRESSER IND. | N/A | N/A | ASP-9022 | 1986 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

FORM NIS-2 (Back)

Remarks UNIT 2, REPLACED PLUG IN VALVE 2-NRV-151.
Applicable Manufacturer's Data Reports to be attached
PLUG PURCHASED PER SPECIFICATION DCCPV702QCN AND
P.O.00487-041-5X.
Ref. JO # B004664 File:ME-VAL-2-NRV-151 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 5-13-93 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.

MR. [Signature] Commissions MICHIGAN, ENR 15
 Inspector's Signature National Board, State, Province, Endorsements

Date 5-13 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

卷之四

23

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/29/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B015468, 2-NRV-151, 3" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-NRV-151 | | | | | | | |
| PLUG | DRESSER IND. | N/A | N/A | ASP-10047 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

0000

0001

0002

0003

0004

0005

0006

0007

0008

0009

0010

0011

0012

0013

0014

0015

0016

0017

0018

FORM NIS-2 (Back)

9. Remarks UNIT 2, REPLACED PLUG IN VALVE 2-NRV-151.
Applicable Manufacturer's Data Reports to be attached
PLUG PURCHASED PER SPECIFICATION DCCPV702OCN AND
P.O.05862-041-7X.
Ref. JO # B015468 File:ME-VAL-2-NRV-151 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 5-21, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 5/11/93 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.

[Signature] Commissions Mich 0255, E.N.D. NIT
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5/21 19 93

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/23/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B004665, 2-NRV-152, 3" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-NRV-152 | | | | | | | |
| PLUG | MASONEILAN | N/A | N/A | ASP-9239 | 1986 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

三三三

७५५

630

34

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

[illegible]

23

FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED PLUG IN VALVE 2-NRV-152.
Applicable Manufacturer's Data Reports to be attached

PLUG PURCHASED PER SPECIFICATION DCCPV702QCN.

Ref. JO # B004665 File:ME-VAL-2-NRV-152 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-13-93 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.

MA McIntosh Commissions MICH 0055, ENDR I
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-13 19 93

2

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/04/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B004666, 2-NRV-153, 3" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-NRV-153 | | | | | | | |
| PLUG | MASONEILAN | N/A | N/A | ASP-9239 | 1986 | REPLCEMNT | NO |
| B/B STUDS | HDW. SPEC. CO | N/A | N/A | ASP-9611 | 1987 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

AMMENDED
FORM NIS-2 (Back)

9. Remarks UNIT 2, REPLACED PLUG AND B/B STUDS ON VALVE 2-NRV-153.
Applicable Manufacturer's Data Reports to be attached

STUDS PURCHASED PER SPECIFICATION DCCPV1050CN.

PLUG PURCHASED PER SPEC. DCCPV7020CN

Ref. JO # B004666 File:ME-VAL-2-NRV-153 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *F.R. Pisarsky* F.R. Pisarsky, Maint. Eng. Supervisor Date 3 15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2-6-91 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.

MA Muterpaugh Commissions Mich 0055, END N.E.I.
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-17 19 93

THE UNIVERSITY OF CHICAGO PRESS

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

As Required by the Provisions of the ASME Code Section XI

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/20/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B008108, 2-NRV-163, 4" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|-----------------------------|-------------------|----------------|------------------------|--------------|----------------------------------|-------------------------------|
| VALVE 2-NRV-163 | | | | | | | |
| PLUG | COPEES-VULCAN | N/A | N/A | ASP-10046 | 1987 | REPLCEMNT | NO |
| STUDS STUDS | HDW. SPEC. CO TEXAS BOLT | N/A N/A | N/A N/A | ASP-10347 ASP-10508 | 1988 1988 | REPLCEMNT REPLCEMNT | NO NO |
| NUTS | TEXAS BOLT | N/A | N/A | ASP-4458 ASP-6569 | 1980 1983 | REPLCEMNT REPLCEMNT | NO NO |
| NUTS | NOVA MACHINE | N/A | N/A | ASP-10340 | 1988 | REPLCMNT | NO. |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

Figure 1

FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED PLUG AND BODY-TO-SPACER AND SPACER-TO BONNET
Applicable Manufacturer's Data Reports to be attached

STUDS/NUTS ON VALVE 2-NRV-163. PLUG PURCHASED PER SPECIFICATION
DCCPV702QCN. STUDS/NUTS PURCHASED PER SPEC. DCCPV105QCN.

Ref. JO # B008108 File:ME-VAL-2-NRV-163 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-13-93 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.

F.R. Pisarsky Commissions Mich 0055, ENR NIT
 Inspector's Signature National Board, State, Province, Endorsements

Date 4-13 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

三

三

2

44

24

0.4

26

21

4

11



10



22

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 04/20/92
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 P.O. 00557-041-2X, REPT. 42477-3
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by WYLE LABORATORIES Type Code Symbol Stamp N/A
Name
HUNTSVILLE, ALABAMA 35807 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System STEAM GENERATOR SUPPORT
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

5. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------------------|----------------------|--------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| SNUBBER 2-OME-3-1- HSD-3L | | | | | | | |
| PISTON | McDOWELL WELLMAN | 25.1262 0.007-9 | N/A | N/A | 1972 | REPLCEMNT | NO |
| PISTON ROD | McDOWELL WELLMAN | 25.1262 0.007-9 | N/A | N/A | 1972 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

五、

—

2



20

三、

44

三

47

100

FORM NIS-2 (Back)

9. Remarks UNIT 2, REPLACED PISTON AND PISTON ROD ON STEAM GENERATOR
Applicable Manufacturer's Data Reports to be attached

SNUBBER 2-OME-3-1-HSD-3L, S/N 25.12620.007-30. THE PARTS USED

WERE SUCESSFULLY SALVAGED FROM S/N 25.12620.007-9 AND

REFURBISHED. REF WYLE REPORT #42477-2, ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R.Pisarsky, Maint. Eng. Supervisor Date , 19
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 5-13-93 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.

Mark Winterpugh
 Inspector's Signature

Commissions Mich 0055, ENR N&E
 National Board, State, Province, Endorsements

Date 5-13 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1. Owner INDIANA MICHIGAN POWER COMPANY Date 06/12/89
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B006906, 2-PS-05,
Address Repair Org. P.O. No., Job No., etc

3. Work Performed by BARINKA, BRINKS, WILLIAMS Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System MAIN STEAM

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replace-ment | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|-----------------------------------|-------------------------------|
| VALVE 2-PS-05 | N/A | N/A | N/A | N/A | N/A | REPAIRED | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | | | | | | |
|--------------------|-------------|--|-----------|--|----------------------------|---|
| 8. Test Conducted: | Hydrostatic | | Pneumatic | | Nominal Operating Pressure | X |
|--------------------|-------------|--|-----------|--|----------------------------|---|

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

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit ^{2 MM} X, REPAIRED PIN HOLE LEAK IN TEE WELD OF 2-PS-05.
Applicable Manufacturer's Data Reports to be attached

WELDING PERFORMED PER WPS 20.1

Ref. JO # B006906 File:ME-VAL-2-PS-05

ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 6-9-89 to 9-28-89, 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.

M. A. Minter
Inspector's Signature

Commissions Mich 0055, END NBT
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-17 19 93

2000

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/10/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016844, 2-ORV-251, 3" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-QRV-251 | | | | | | | |
| PLUG ASSY. | COPEX-VULCAN | N/A | N/A | ASP-11159 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

卷之四

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

FORM NIS-2 (Back)

Remarks UNIT 2, REPLACED PLUG ASSEMBLY ON VALVE 2-ORV-251.
Applicable Manufacturer's Data Reports to be attached

PLUG ASSY. PURCHASED PER P.O. 72569-040-8X.

Ref. JO # B016844 File: ME-VAL-2-ORV-251 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-5, 1993
 Owner or Owner's Designee, Title.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-12-93 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.

M.R. Muterspaugh Commissions Mich 0055, ENR N&I
 Inspector's Signature National Board, State, Province, Endorsements

Date 4-12 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

[illegible]

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/04/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B003799, 2-ORV-160, VALVE
Address Repair Org. P.O. No., Job No., etc

3. Work Performed by WAUGH, VERES Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CHEMICAL VOLUME AND CONTROL

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-QRV-160 | | | | | | | |
| STUDS/NUTS | NO. CENT. FST | N/A | N/A | ASP-272 | 1975 | REPLCEMNT | NO |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-440 | 1975 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

| | | | |
|--------------------|-------------|-----------|----------------------------|
| 8. Test Conducted: | Hydrostatic | Pneumatic | Nominal Operating Pressure |
|--------------------|-------------|-----------|----------------------------|

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

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS/NUTS ON VALVE 2-ORV-160
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPM105QCN.

Ref. JO # B003799 File:ME-VAL-2-ORV-160 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-91 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.

MR. Muterpaugh Commissions MICH0055, END N&I
Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Figure 1. The 12 test items of the TSCC.

一、
 二、
 三、
 四、
 五、
 六、
 七、
 八、
 九、
 十、

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/18/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B018107, 2-QRV-161, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by ROGERS, DANKO, DUMAY Type Code Symbol Stamp N/A
 Name
Same as #2 Authorization No. N/A
 Address Expiration Date N/A
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-QRV-161 | | | | | | | |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-440 | 1975 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 N/A ☒ Other ☐ Pressure psi Test Temp. °F

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

[illegible]

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS/NUTS ON VALVE 2-ORV-161
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPM105OCN.

Ref. JO # B018107 File:ME-VAL-2-ORV-161 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-91 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.

M. R. Matusz Commissions Mich 0055, EN & NFI
Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100



1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/18/90
Name
P.O. Box 60 Fort Wayne, IN 46801
Address
Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106
Address
B018108, 2-ORV-162, VALVE
Repair Org. P.O. No., Job No., etc

3. Work Performed by ROGERS, DANKO Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System CHEMICAL VOLUME AND CONTROL

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-QRV-162 | | | | | | | |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-440 | 1975 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS/NUTS ON VALVE 2-ORV-162
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPM1050CN.

Ref. JO # B018108 File:ME-VAL-1-ORV-162 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1/22/91 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.

M.R. Muterbaugh Commissions Mich 0055, ENDR
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-17 19 93

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/03/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B016150, 2-ORV-303, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by YOUNG, WILLIAMS Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-QRV-303 | | | | | | | |
| STUDS/NUTS | ENERGY STEEL | N/A | N/A | ASP-11909 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

卷一

Abstract

40

7

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

4

222

AMMEDED
FORM NIS-2 (Back)

Remarks Unit 2, REPLACED FLANGE STUDS/NUTS ON VALVE 2-ORV-303
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105OCN.

Ref. JO # B016150 File:ME-VAL-1-ORV-303 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1/22/91 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.

M.R. Winterpough Commissions Mich 0055, ENR N&I
Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/21/89
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B004697, 2-ORV-400, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by IVEY, BOLEY Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|-------------------------|-------------------------------|
| VALVE 2-QRV-400 | | | | | | | |
| BONNET | ITT ENG. VLV. | N/A | N/A | ASP-11087 | 1989 | REPLCEMNT | NO |
| STUDS/NUTS | ITT ENG. VLV. | N/A | N/A | ASP-11087 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BONNET AND B/B STUDS/NUTS ON VALVE 2-ORV-400
Applicable Manufacturer's Data Reports to be attached

BONNET/STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV8380CN.

Ref. JO # B004697 File:ME-VAL-2-ORV-400 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10-3-89 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.

M. R. Matusz
 Inspector's Signature

Commissions MICHOSS, ENDNIT
 National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/18/90 & 09/29/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B004684, B005618, 2-ORV-51
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by SELBY, MONFETTE, GOLDEN Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-ORV-51 | | | | | | | |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-440 | 1975 | REPLCEMNT | NO |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-11934 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

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

100-100-100

1

100

1

100

1

1

100-100-100

1

100

1

100

1

100

1

100

1

100

1

100

1

100

1

100

1

100

1

100

1

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS/NUTS ON VALVE 2-ORV-161. STUDS WERE
Applicable Manufacturer's Data Reports to be attached
TOO LONG. REREPLACED SAME STUDS ON J.O.B005618 WITH CORRECT
STUDS. STUDS/NUTS PURCHASED PER DCCPM105OCN OR DCCPV105OCN.
B004684/
Ref. JO # B005618 File:ME-VAL-2-ORV-51 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-91 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.

M. R. Mutis, rough Commissions Mich 0055, END N&I
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

• 1977 年 10 月 1 日

• 1977 年 10 月 1 日

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/05/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B015210, 2-RC-103L1, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by ROBINSON Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-RC-103L1 | | | | | | | |
| BONNET | CONVAL, INC. | N/A | N/A | ASP-7690 | 1984 | REPLCEMNT | NO |
| PLUG | CONVAL, INC. | N/A | N/A | ASP-7690 | 1984 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 .. N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BONNET ON VALVE 2-RC-103L1
Applicable Manufacturer's Data Reports to be attached
BONNET PURCHASED PER SPECIFICATION DCCPM802QCN AND
P.O.07946-041-4X.
Ref. JO # B015210 File:ME-VAL-2-RC-103L1 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10-12-90 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.

Mike M. [Signature] Commissions MICH0055, ENDET
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

一、
 二、
 三、
 四、
 五、
 六、
 七、
 八、
 九、
 十、

一、
 二、
 三、
 四、
 五、
 六、
 七、
 八、
 九、
 十、

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/08/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 024760, 2-RC-103-L1, 2" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-RC-103L1 | | | | | | | |
| DISC | CONVAL, INC. | N/A | N/A | ASP-11698 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

101

102

103

FORM NIS-2 (Back)

Remarks Unit 2, REPLACED DISC IN VALVE 2-RC-103-L1.
Applicable Manufacturer's Data Reports to be attached

DISC PURCHASED PER SPEC. DCCPV8300CN AND P.O.08382-041-8X.

Ref. JO # 024760 File:ME-VAL-2-RC-103-L1 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-12-93 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.

F.R. Pisarsky
 Inspector's Signature

Commissions MILWAUKEE, END N.E.I.
 National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-12 19 93

卷之八

2

543

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 11/03/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B013598, 2-RC-103L2, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by WAUGH, FORMAN, BOREN Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-RC-103L2 | | | | | | | |
| BONNET | CONVAL INC. | N/A | N/A | ASP-7690 | 1984 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

Figure 6

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BONNET ON VALVE 2-RC-103L2
Applicable Manufacturer's Data Reports to be attached
BONNET PURCHASED PER SPECIFICATION DCCPM802QCN AND
P.O.07946-041-4X.
Ref. JO # B013598 File:ME-VAL-2-RC-103L2 . ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Engr. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2-6-91 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.

M. R. Muttersbaugh Commissions Mich 0055, END N & I
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

五五

4

2000

4 9

5



三

10



生。

23

2000

44

654
655

✓

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/20/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B53937, 2-RC-103L3, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by ROGOWSKI, BARINKA, SCALLY Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System REACTOR COOLANT
5. (a). Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-RC-103L3 | | | | | | | |
| BONNET | CONVAL, INC. | N/A | N/A | ASP-7690 | 1984 | REPLCEMNT | NO |
| DISC | CONVAL, INC. | N/A | N/A | ASP-7690 | 1984 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ X
 N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

AMMENDE
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BONNET AND DISC ON VALVE 2-RC-103-L3.
Applicable Manufacturer's Data Reports to be attached

BONNET/DISC PURCHASED PER SPECIFICATION DCCPV802QCN AND

P.O.07946-041-4X.

Ref. JO # B53937 File:ME-VAL-2-RC-103L3 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date: 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-14-91 to 1-16-91, 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.

M R Antarespaugh Commissions Mich 0055, ENL NFI
Inspector's Signature National Board, State, Province, Endorsements

***FACTORY MUTUAL ENGINEERING ASSOCIATION**

Date 3-17 19 93

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

100-100000

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/06/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 024709, 2-RC-103L4, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by COX, COLWARD Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-RC-103L4 | | | | | | | |
| BONNET | CONVAL INC. | N/A | N/A | ASP-7690 | 1984 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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



134

二五

4

五

5

法
要
記

四

44

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED BONNET ON VALVE 2-RC-103L4
Applicable Manufacturer's Data Reports to be attached
BONNET PURCHASED PER SPECIFICATION DCCPM802OCN AND
P.O.07946-041-4X.
Ref. JO # 024709 File:ME-VAL-2-RC-103L4 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3/15, 1993
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10/11/90 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.

M.R. Murtazaugh Commissions Mich 0055, ENR N&I
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

一、關於我國經濟建設之方針與任務
二、關於我國經濟建設之方針與任務
三、關於我國經濟建設之方針與任務
四、關於我國經濟建設之方針與任務
五、關於我國經濟建設之方針與任務
六、關於我國經濟建設之方針與任務
七、關於我國經濟建設之方針與任務
八、關於我國經濟建設之方針與任務
九、關於我國經濟建設之方針與任務
十、關於我國經濟建設之方針與任務

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/16/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B002474, 2-RH-139, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MASON, GAISER Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System RESIDUAL HEAT REMOVAL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-RH-139 | | | | | | | |
| STUDS/NUTS | CARDINAL | N/A | N/A | ASP-11938 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

THE UNIVERSITY OF CHICAGO

LIBRARY

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED STUDS/NUTS ON VALVE 2-RH-139
Applicable Manufacturer's Data Reports to be attached

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV105OCN AND

P.O.46685-042-9X.

Ref. JO # B002474 File:ME-VAL-2-RH-139

ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-14-91 to 1-16-91, 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.

W. H. Mutersbaugh Commissions Mich 0055, ENR N.E.
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-17 19 93

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY
Name

Date 07/02/90

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

Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT
Name _____

Unit 2

One Cook Place, Bridgman, MI 49106
Address

B016742, 2-RO-18E, ORIFICE
Repair Org. P.O. No., Job No., etc

3. Work Performed by VERN
Name

Type Code Symbol Stamp N/A

Authorization No. N/A

Expiration Date N/A

Same as #2

Address

4. Identification of System CONTAINMENT SPRAY

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

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| ORIFICE 2-RO-18E | | | | | | | |
| STUDS | CARDINAL | N/A | N/A | ASP-10614 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

| | | | | | | |
|--------------------|-------------|--------------------------|-----------|--------------------------|----------------------------|--------------------------|
| 8. Test Conducted: | Hydrostatic | <input type="checkbox"/> | Pneumatic | <input type="checkbox"/> | Nominal Operating Pressure | <input type="checkbox"/> |
|--------------------|-------------|--------------------------|-----------|--------------------------|----------------------------|--------------------------|

| | | | | |
|-----|---|-------|--------------------|---------------------|
| N/A | X | Other | Pressure _____ psi | Test Temp. _____ °F |
|-----|---|-------|--------------------|---------------------|

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED FLANGE STUDS ON RESTRICTING ORIFICE
Applicable Manufacturer's Data Reports to be attached
2-RO-18E. STUDS PURCHASED PER SPECIFICATION DCCPV1050CN AND
P.O.39035-042-8.
Ref. JO # B016742 File:ME-VAL-2-RO-18E ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed *Frank Pisarsky* Frank Pisarsky Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, Holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-14-91 to 1-16-91, 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.

MR. M. M. M. M. Commissions Michigan, ENDR
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/14/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B018951, 2-SI-158L1, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by JONES Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SI-158L1 | | | | | | | |
| STUDS | CARDINAL | N/A | N/A | ASP-10636 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS ON VALVE 2-SI-158L1
Applicable Manufacturer's Data Reports to be attached
STUDS PURCHASED PER SPECIFICATION DCCPV105OCN AND
P.O.39664-042-8.
Ref. JO # B018951 File:ME-VAL-2-SI-158L1 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10/11/90 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.

M.R. Mutterschlag Commissions Mich 0055, ENRNI
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/17/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B004670, 2-SI-158L1, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

5. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SI-158L1 | | | | | | | |
| STUDS | CARDINAL | N/A | N/A | ASP-10636 | 1988 | REPLCEMNT | NO |
| COVER | ALOYCO | N/A | N/A | 2-SI-158L3 | N/A | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

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

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS AND COVER ON VALVE 2-SI-158L1
Applicable Manufacturer's Data Reports to be attached
COVER WAS STAMPED 2-SI-158L3. STUDS PURCHASED PER SPECIFICATION
DCCPV105QCN AND P.O.39664-042-8.
Ref. JO # B004670 File:ME-VAL-2-SI-158L1 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-90 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.

MR. Mutarsangh Commissions Mich 0055, END NFE
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

廣東省立第一中學

廣東省立第一中學

廣東省立第一中學

廣東省立第一中學

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/28/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B002505, 2-SI-158-L2, 6" VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SI-158L2 | | | | | | | |
| DISC | WALWORTH CO. | N/A | N/A | ASP-3604 | 1980 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

Remarks UNIT 2, REPLACED DISC ON VALVE 2-SI-158-L2.
Applicable Manufacturer's Data Reports to be attached

DISC PURCHASED PER SPEC. DCCPV802OCN AND P.O.05987-251-9X.

Ref. JO # B002505 File:ME-VAL-2-SI-158-L2 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 4-12-93 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.

[Signature] Commissions Mich 0055, ENR N&I
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-12- 19 93

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 09/08/89
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B000021, 2-SI-158L4, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SI-158L4 | | | | | | | |
| STUDS | HDW. SPEC. CO | N/A | N/A | ASP-10388 | 1988 | REPLCEMNT | NO |
| NUTS | CARDINAL | N/A | N/A | ASP-10636 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ X
 N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

卷之五

1

10

五

24

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS ON VALVE 2-SI-158L4
Applicable Manufacturer's Data Reports to be attached

STUDS PURCHASED PER SPECIFICATION DCCPV105OCN

Ref. JO # B000021 File:ME-VAL-2-SI-158L4 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-90 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.

W.R. Antonsen Commissions Mich 0055, ENDRIFT
Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

一、
 二、
 三、
 四、
 五、
 六、
 七、
 八、
 九、
 十、

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/15/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B018952, 2-SI-158L4, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by ZOUCK Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SI-158L4 | | | | | | | |
| STUDS | CARDINAL | N/A | N/A | ASP-10636 | 1988 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

1945-1946

1947-1948

1949-1950

1951-1952

1953-1954

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS ON VALVE 2-SI-158L4
Applicable Manufacturer's Data Reports to be attached

STUDS PURCHASED PER SPECIFICATION DCCPV105OCN AND

P.O.39664-042-8.

Ref. JO # B018952 File:ME-VAL-2-SI-158L4 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-91 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.

MR. Mutapang
Inspector's Signature

Commissions Mich 0055, ENR NFI
National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/12/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B000057, 2-SI-170L1, VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by BOGGS Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System SAFETY INJECTION
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SI-170L1 | | | | | | | |
| STUDS | HDW. SPEC. CO | N/A | N/A | ASP-10356 | 1988 | REPLCEMNT | NO |
| STUDS | HDW. SPEC. CO | N/A | N/A | ASP-10345 | 1988 | REPLCEMNT | NO |
| NUTS | CARDINAL | N/A | N/A | ASP-10636 | 1988 | REPLCEMNT | NO |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure psi Test Temp. °F

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

24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525
 526
 527
 528
 529
 530
 531
 532
 533
 534
 535
 536
 537
 538
 539
 540
 541
 542
 543
 544

Fig. 1

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 2-SI-170L1

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV1050CN.

Ref. JO.# B000057 File:ME-VAL-2-SI-170L1 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10-11-90 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.

M.R. Mutapang Commissions Mich 0055, ENR NFI
Inspector's Signature National Board, State, Province, Endorsements

Date 3-17 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1. 關於本會之組織及職權

2. 關於本會之經費

3. 關於本會之業務

4. 關於本會之其他事項

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 01/18/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B003100, 2-SI-170L3, VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System, SAFETY INJECTION
5. (a) Applicable Const. Code ASME III 1968 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|---------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SI-170L3 | | | | | | | |
| STUDS | HDW. SPEC. CO | N/A | N/A | ASP-9366 | 1987 | REPLCEMNT | NO |
| STUDS | HDW. SPEC. CO | N/A | N/A | ASP-10345 | 1988 | REPLCEMNT | NO |
| NUTS | HDW. SPEC. CO | N/A | N/A | ASP-10371 | 1988 | REPLCEMNT | NO |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

இது



2

五

10

3

 γ

1.

2

704

- 4 -

12

九

2

Ω

2. 1

2

12

9

—

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED B/B STUDS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 2-SI-170L3

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV105OCN.

Ref. JO # B003100 File:ME-VAL-2-SI-170L3 ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 2/15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-90 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.

M.R. Murtaspaugh Commissions Mich 0055, END NIT
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/22/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016147, 2-STN-42E, STRAINER
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by ROBINSON, DEAN Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System RESIDUAL HEAT REMOVAL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| STRAINER S-STN-42E | | | | | | | |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-493 | 1976 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

[illegible]

AMMENDED
FORM NIS-2 (Back)

| | | |
|----|---------|--|
| 9. | Remarks | <u>Unit 2, REPLACED STUD/NUT ON STRAINER 2-STN-42E</u> |
| | | <u>Applicable Manufacturer's Data Reports to be attached</u> |
| | | <u>STUD/NUT PURCHASED PER SPECIFICATION DCCPM105OCN AND</u> |
| | | <u>P.O.02004-251-5.</u> |
| | | <u>Ref. JO # B016147 File:ME-VAL-2-STN-42E</u> |
| | | <u>ISI Class: 2</u> |

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Engr. Supervisor Date 3-15, 19 93

Owner or Owner's Designee, Title _____

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1/22/91 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.

Mr. M. A. M. M. M. Commissions Mich 0055, ENCL N/I

Inspector's Signature National Board, State, Province, Endorsements

***FACTORY MUTUAL ENGINEERING ASSOCIATION**

Date 3/22 19 93

五

三

7

22

5

4

五

•

42

2

•

五

2

22

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED OUTLET FLANGE STUDS/NUTS ON VALVE 2-SV-104E
Applicable Manufacturer's Data Reports to be attached

BOLTING PURCHASED PER SPECIFICATION DCCPV105OCN AND

P.O.38918-042-9.

Ref. JO # B000176 File:ME-VAL-2-SV-104E ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 12-30-90 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.

M.R. Minton Commissions Mich 0055, END N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 02/17/89
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 032602, 2-SV-104E, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System RESIDUAL HEAT REMOVAL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-104E | CROSBY | N/A | N/A | N/A | N/A | REPLACED | NO |
| VALVE | CROSBY | CR-6115 | N/A | ASP-8829 | 1982 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

五、

1

2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 26

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE 2-SV-104E.
Applicable Manufacturer's Data Reports to be attached
VALVE PURCHASED PER COMMONWEALTH EDISON P.O.256728, SENT TO
D.C.COOK AS A RETURN OF A LOANED VALVE.
Ref. JO # 032602 File:ME-VAL-2-SV-104E ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R.Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2-3-89 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.

F.R. Pisarsky Commissions Mich 0055, ENR NIT
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93



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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE 2-SV-104W.
Applicable Manufacturer's Data Reports to be attached

VALVE PURCHASED PER P.O.01995-041-1X

Ref. JO # 032641 File:ME-VAL-2-SV-104W ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 3/3/89 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.

MA Watersbaugh Commissions MI-60055, END NTI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/31/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B000177, 2-SV-105E, SAFETY VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System RESIDUAL HEAT REMOVAL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-105E | | | | | | | |
| STUDS/NUTS | CARDINAL | N/A | N/A | ASP-11683 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

萬曆二十二年

丁巳年

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED FLANGE BOLTING ON VALVE 2-SV-105E
Applicable Manufacturer's Data Reports to be attached
STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV1050CN AND
P.O.38918-042-9.
Ref. JO # B000177 File:ME-VAL-2-SV-105E ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 1993
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 3/14/93 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.

F.R. Pisarsky Commissions MICHIGAN, ENDORSE
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93

THE
F
A
I
E
F
E

THE
F
A
I
E
F
E

4

100

100

4

4

4

4

4

4

4

4

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/31/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B000178, 2-SV-105W, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System RESIDUAL HEAT REMOVAL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-105W | | | | | | | |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-11803 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure psi Test Temp. °F

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

三二五

◆◆◆

五

4

ॐ नमो भगवते वासुदेवाय

23

25

3

44

5

•



•

•

—

AMMEDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED FLANGE BOLTING ON VALVE 2-SV-105W
Applicable Manufacturer's Data Reports to be attached

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV105QCN AND

P.O.37513-042-9X.

Ref. JO # B000178 File:ME-VAL-2-SV-105W ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3/15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS.
 have inspected the components described in this Owner's Report during the period 1-14-91 to 1-16-91, 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.

Mike Matassaugh Commissions Mich 0055, ENR NFI
 Inspector's Signature National Board, State, Province, Endorsements

Date 3/22 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

一、
 二、
 三、
 四、
 五、
 六、
 七、
 八、
 九、
 十、

一、
 二、
 三、
 四、
 五、
 六、
 七、
 八、
 九、
 十、

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 07/31/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B050036, 2-SV-1A-2, SAFETY VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System MAIN-STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983-Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-1A-2 | | | | | | | |
| DISC | DRESSER IND. | N/A | N/A | ASP-11128 | 1989 | REPLCEMNT | NO |
| STUDS | NO. CENT. HDW | N/A | N/A | ASP-272 | 1975 | REPLCEMNT | NO |
| STUDS | BAYLINE BOLT | N/A | N/A | ASP-3265 | 1980 | REPLCEMNT | NO |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure psi Test Temp. °F

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

一、二、三、四

25

24

不

44

iii

4

25

44

AMENDED
FORM NIS-2 (Back)

9. Remarks UNIT 2, REPLACED DISC AND OUTLET STUDS ON 2-SV-1A-2.
Applicable Manufacturer's Data Reports to be attached

SEE ATTACHED CODE DATA REPORT.

STUDS PURCHASED PER SPECIFICATION DCCPM1050CN.

Ref. JO # A050036 File:ME-VAL-2-SV-1A-2 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 5-13-93 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.

W.R. Muttersbaugh Commissions Mich 0055, ENRNI
Inspector's Signature National Board, State, Province, Endorsements

Date 5-13 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

[illegible]

469

۳

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Div. 1
Not To Exceed One Day's Production

Page 1 of 1

Dresser Industries, Inc., Dresser Valve & Controls Div., Industrial Valve

1. Manufactured and certified by North American Operations, Intersection Hwy. 167 & 3225 North, Alexandria, LA
(name and address of certificate holder)
2. Manufactured for Indiana & Michigan Elec. Co., P.O. Box 60 Fort Wayne, IN 46801
(name and address of purchaser)
3. Location of installation Indiana & Mich. Power co., Cook Nuc. Plant, Bridgman, MI 49106
(name and address)
4. Type OS283 Rev. 7 A565 Gr.616 Cond."A" N/A N/A 1989
(drawing no.) (mat'l spec no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1968 Summer 1969 1 N/A
(edition) (addenda) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec.(Div. 2 only) N/A Revision N/A Date N/A
(No.)
7. Remarks: _____

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

| Part or Appurtenance Serial Number | National Board No. in Numerical Order |
|---------------------------------------|--|
| (1) AAS51 ✓ | |
| (2) AAS54 ✓ | |
| (3) AAS57 ✓ | |
| (4) AAS58 ✓ | |
| (5) AAS59 ✓ | |
| (6) AAS61 ✓ | |
| (7) AAS62 ✓ | |
| (8) AAS65 ✓ | |
| (9) AAS66 ✓ | |
| (10) AAS68 ✓ | |
| (11) | |
| (12) | |
| (13) | |
| (14) | |
| (15) | |
| (16) | |
| (17) | |
| (18) | |
| (19) | |
| (20) | |
| (21) | |
| (22) | |
| (23) | |
| (24) | |
| (25) | |

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

10. Design pressure N/A psi Temp. N/A °F Hydro test pressure 2250 PSIG at temp. °F

*Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is 8-1/2 x 11
(2) information in items 2 & 3 on this data report is included on each sheet, (3) sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/01/90
 Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
 Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
 Name
One Cook Place, Bridgman, MI 49106 B002564, 2-SV-1A-3, SAFETY VALVE
 Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
 Name Authorization No. N/A
Same as #2 Expiration Date N/A
 Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-1A-3 | | | | | | | |
| STUDS/NUTS | NO. CENT. CO | N/A | N/A | ASP-272 | 1975 | REPLCEMNT | NO |
| DISC | DRESSER, IND. | N/A | N/A | ASP-11128 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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



AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED DISC AND OUTLET STUTS/NUTS ON VALVE 2-SV-1A-3
Applicable Manufacturer's Data Reports to be attached
- STUDS/NUTS PURCHASED PER SPEC. DCCPM105QCN AND P.O. S.M. 1433
- DISC PURCHASED PER P.O.04979-041-8X, SEE ATT. CODE DATA SHEET.
- Ref. JO # B002564 File:ME-VAL-2-SV-1A-3 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 5-13-93 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.

[Signature] Commissions Mich 0055, ENR NIE
 Inspector's Signature National Board, State, Province, Endorsements

Date 5-13 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



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

As Required by the Provisions of the ASME Code, Section III, Div. 1
Not To Exceed One Day's Production

Page 1 of 1

Dresser Industries, Inc., Dresser Valve & Controls Div., Industrial Valve

1. Manufactured and certified by North American Operations, Intersection Hwy. 167 & 3225 North, Alexandria, LA
(name and address of certificate holder)
2. Manufactured for Indiana & Michigan Elec. Co., P.O. Box 60 Fort Wayne, IN 46801
(name and address of purchaser)
3. Location of installation Indiana & Mich. Power Co., Cook Nuc. Plant, Bridgman, MI 49106
(name and address)
4. Type OS283 Rev. 7 A565 Gr.616 Cond."A" N/A N/A 1989
(drawing no.) (mat'l spec no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1968 Summer 1969 1 N/A
(edition) (addenda) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec.(Div. 2 only) N/A Revision N/A Date N/A
(No.)
7. Remarks: _____

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

| Part or Appurtenance Serial Number | National Board No. in Numerical Order |
|---------------------------------------|--|
| (1) AAS51 ✓ | |
| (2) AAS54 ✓ | |
| (3) AAS57 ✓ | |
| (4) AAS58 ✓ | |
| (5) AAS59 ✓ | |
| (6) AAS61 ✓ | |
| (7) AAS62 ✓ | |
| (8) AAS65 ✓ | |
| (9) AAS66 ✓ | |
| (10) AAS68 ✓ | |
| (11) | |
| (12) | |
| (13) | |
| (14) | |
| (15) | |
| (16) | |
| (17) | |
| (18) | |
| (19) | |
| (20) | |
| (21) | |
| (22) | |
| (23) | |
| (24) | |
| (25) | |

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

10. Design pressure N/A psi Temp. N/A °F Hydro test pressure 2250-PSIG at temp. °F

*Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is 8-1/2 x 11
(2) information in items 2 & 3 on this data report is included on each sheet, (3) sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

一、
 二、
 三、
 四、
 五、
 六、
 七、
 八、
 九、
 十、

1
6
7
8
9

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/29/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B008166, 2-SV-1A-4, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-1A-4 | | | | | | | |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-12009 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1944年10月1日

1944年10月1日

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED OUTLET FLANGE STUDS/NUTS FOR VALVE 2-SV-1A-4
Applicable Manufacturer's Data Reports to be attached

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPM1050CN AND

P.O.43207-042-9X.

Ref. JO # B008166 File:ME-VAL-2-SV-1A-4 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-91 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.

M. R. Mutsaers
Inspector's Signature

Commissions M-10055, ENR-1
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-22 19 93

— ११३ —

三

三

251



4

1

5

10

●

28

11

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

1. Owner INDIANA POWER COMPANY Date 07/31/90
Name
P.O. Box 60 Fort Wayne, IN 46801
Address
Sheet 1 of 2
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 Address
B50038, 2-SV-1B-2, SAFETY VALVE
Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-1B-2 | | | | | | | |
| DISC | DRESSER IND. | N/A | N/A | ASP-10495 | 1988 | REPLCEMNT | NO |
| STUDS | TEXAS BOLT | N/A | N/A | ASP-472 | 1975 | REPLCEMNT | NO |
| STUDS/NUTS | BAYLINE BOLT | N/A | N/A | ASP-3265 | 1980 | REPLCEMNT | NO |
| | | | | | | | |

7. Description of Work _____ (See Remarks) _____
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

THE
NEW
AND
OLD
TESTAMENTS
IN
THE
ORIGINAL
LANGUAGES
AND
IN
ENGLISH

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED DISC AND INLET/OUTLET FLANGE STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 2-SV-1B-2. DISC PURCHASED PER P.O.07950-041-7X.

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPM1050CN.

Ref. JO # B50038 File:ME-VAL-2-SV-1B-2 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 1993
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-93 to 7-8-93, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions MI-10055, ENR N&I

National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date July 8 1993

大正十一年
 九月
 廿九日
 廿九日
 廿九日
 廿九日
 廿九日

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
84

10

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/09/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B50034, 2-SV-1B-4, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-1B-4 | | | | | | | |
| FLNG. BOLT | NO. CENT. HDW | N/A | N/A | ASP-3693 | 1980 | REPLCEMNT | NO |
| FLNG. NUTS | CARDINAL | N/A | N/A | ASP-11630 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED OUTLET FLANGE BOLTING ON VALVE 2-SV-1B-4.
Applicable Manufacturer's Data Reports to be attached

BOLTS/NUTS PURCHASED PER SPECIFICATION DCCPM1050CN

Ref. JO # B50034 File:ME-VAL-2-SV-1B-4 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 9-30, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 9/30/93 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.

[Signature] Commissions Michigan, ENR N&I
Inspector's Signature National Board, State, Province, Endorsements

Date 10-1 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

一、二、三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

Figure 2 consists of 12 micrographs labeled (a) through (l), arranged vertically. Each micrograph shows a different stage of chick embryo development, focusing on the head region. (a) shows a very early stage with a small, dark, circular spot. (b) through (d) show the formation of the eye and ear. (e) through (g) show the development of the mouth and the beginning of the beak. (h) through (l) show more advanced stages with more complex head structures and the emergence of the beak. The labels are as follows: (a) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (b) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (c) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (d) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (e) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (f) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (g) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (h) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (i) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (j) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (k) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12; (l) 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 07/31/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B002557, 2-SV-2A-2, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

5. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-2A-2 | | | | | | | |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-472 | 1975 | REPLCEMNT | NO |
| DISC | DRESSER, IND. | N/A | N/A | ASP-11128 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1000 1000 1000

1000

1000

1000

1000 1000 1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

AMMEDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED DISC AND INLET BOLTING FOR 2-SV-2A-2.
Applicable Manufacturer's Data Reports to be attached
STUDS/NUTS PURCHASED PER SPEC. DCCPM105OCN ANDP.O.02004-251-5.
DISC PURCHASED PER P.O.04979-041-8X, SEE ATT. CODE DATA REPORT.
Ref. JO # B002557 File:ME-VAL-2-SV-2A-2 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title.

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 5-13-93 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.

M.R. Winterpaul Commissions MICH 0055, ENDRITE
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-13 19 93

卷之五

701
22
96
23
24

...

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

As Required by the Provisions of the ASME Code, Section III, Div. 1
Not To Exceed One Day's Production

Page 1 of 1

Dresser Industries, Inc., Dresser Valve & Controls Div., Industrial Valve

1. Manufactured and certified by North American Operations, Intersection Hwy. 167 & 3225 North, Alexandria, LA
(name and address of certificate holder)
2. Manufactured for Indiana & Michigan Elec. Co., P.O. Box 60 Fort Wayne, IN 46801
(name and address of purchaser)
3. Location of installation Indiana & Mich. Power co., Cook Nuc. Plant, Bridgeman, MI 49106
(name and address)
4. Type OS283 Rev. 7 A565 Gr.616 Cond."A" N/A N/A 1989
(drawing no.) (mat'l spec no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1968 Summer 1969 1 N/A
(edition) (addenda) (class) (Code Case No.)
6. Fabricated in accordance with Const. Spec.(Div. 2 only) N/A Revision N/A Date N/A
(No.)
7. Remarks: _____

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

| Part or Appurtenance Serial Number | National Board No. in Numerical Order |
|---------------------------------------|--|
| (1) AAS51 ✓ | |
| (2) AAS54 ✓ | |
| (3) AAS57 ✓ | |
| (4) AAS58 ✓ | |
| (5) AAS59 ✓ | |
| (6) AAS61 ✓ | |
| (7) AAS62 ✓ | |
| (8) AAS65 ✓ | |
| (9) AAS66 ✓ | |
| (10) AAS68 ✓ | |
| (11) | |
| (12) | |
| (13) | |
| (14) | |
| (15) | |
| (16) | |
| (17) | |
| (18) | |
| (19) | |
| (20) | |
| (21) | |
| (22) | |
| (23) | |
| (24) | |
| (25) | |

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

10. Design pressure N/A psi Temp. N/A °F Hydro test pressure 2250-PSIG at temp. °F

*Supplemental information in form of lists, sketches or drawings may be used provided, (1) size is 8-1/2 x 11
(2) information in items 2 & 3 on this data report is included on each sheet, (3) sheet is numbered and number
of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate
Holder and the ANI.



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/09/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B002565, 2-SV-2A-4, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-2A-4 | | | | | | | |
| FLNG. BOLT | NO. CENT. HDW | N/A | N/A | ASP-3693 | 1980 | REPLCEMNT | NO |
| FLNG. NUTS | CARDINAL | N/A | N/A | ASP-11630 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED OUTLET FLANGE BOLTING ON VALVE 2-SV-2A-4.
Applicable Manufacturer's Data Reports to be attached

BOLTS/NUTS PURCHASED PER SPECIFICATION DCCPM105OCN

Ref. JO # B002565 File:ME-VAL-2-SV-2A-4 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-93 to 1-11-93, 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.

F.R. Pisarsky Commissions MICHIGAN, ENGINEER
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93

1. The first part of the document is a letter from the President of the United States to the Congress, dated January 3, 1862.

2. The second part is a report from the Secretary of the Interior, dated January 3, 1862.

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/07/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B50037, 2-SV-2B-1, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System MAIN STEAM
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-2B-1 | | | | | | | |
| FLNG. BOLT | NO. CENT. HDW | N/A | N/A | ASP-3693 | 1980 | REPLCEMNT | NO |
| FLNG. NUTS | CARDINAL | N/A | N/A | ASP-11630 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED OUTLET FLANGE BOLTING ON VALVE 2-SV-2B-1.
Applicable Manufacturer's Data Reports to be attached

BOLTS/NUTS PURCHASED PER SPECIFICATION DCCPM105OCN

Ref. JO # B50037 File:ME-VAL-2-SV-2B-1 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 2/12/90 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.

MR. [Signature] Commissions MICHO055, ENGR N.E.
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-22 19 93



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

Date 08/09/90

Sheet 1 of 2

Unit 2

B50033, 2-SV-3-4, SAFETY VALVE
Repair Org. P.O. No., Job No., etc

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

4. Identification of System MAIN STEAM

5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

5. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-3-4 | | | | | | | |
| FLNG. BOLT | NO. CENT. HDW | N/A | N/A | ASP-3693 | 1980 | REPLCEMNT | NO |
| FLNG. NUTS | CARDINAL | N/A | N/A | ASP-11630 | 1989 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

| | | | | |
|--------------------|-------------|-----------|----------------------------|---|
| 8. Test Conducted: | Hydrostatic | Pneumatic | Nominal Operating Pressure | . |
|--------------------|-------------|-----------|----------------------------|---|

| | | | | |
|-----|---|-------|--------------------|---------------------|
| N/A | X | Other | Pressure _____ psi | Test Temp. _____ °F |
|-----|---|-------|--------------------|---------------------|

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

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED OUTLET FLANGE BOLTING ON VALVE 2-SV-3-4.
Applicable Manufacturer's Data Reports to be attached.

BOLTS/NUTS PURCHASED PER SPECIFICATION DCCPM105OCN

Ref. JO # B50033 File:ME-VAL-2-SV-3-4 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-10-93 to 1-11-93, 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.

M.R. Waterspauk Commissions MICHIGAN, ENR NBT
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93

1954年10月1日

1954年10月1日

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/29/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address

2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B008163, 2-SV-45A, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc

3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A

4. Identification of System REACTOR COOLANT

5. (a) Applicable Const. Code ANSI B31.1 1967 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-45A | CROSBY | N56499-00-0001 | N/A | N/A | 1974 | REPLACED | YES |
| VALVE | CROSBY | RV-1-8010B | N/A | ASP-11572 | N/A | REPLCEMNT | YES |
| STUDS/NUTS | CARDINAL | N/A | N/A | ASP-10636 | 1988 | REPLCEMNT | NO |
| STUDS/NUTS | NOVA MACHINE | N/A | N/A | ASP-12239 | 1988 | REPLCEMNT | NO |
| | | | | | | | |

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

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

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

1000 1000 1000 1000 1000

1000 1000 1000 1000 1000

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE 2-SV-45A AND INLET FLANGE STUDS/NUTS.
Applicable Manufacturer's Data Reports to be attached

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV105OCN

Ref. JO # B008163 File:ME-VAL-2-SV-45A ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 11-3-90 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.

MA Winterpugh Commissions Mich 0055, ENR N & I
Inspector's Signature National Board, State, Province, Endorsements

Date 3-22 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

1. 1944 2. 1945 3. 1946 4. 1947 5. 1948

6. 1949 7. 1950 8. 1951 9. 1952 10. 1953

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/22/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B006122, 2-SV-45B, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System REACTOR COOLANT
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-45B | | | | | | | |
| FLNG. STUD | NOVA MACHINE | N/A | N/A | ASP-12239 | 1988 | REPLCEMNT | NO |
| FLNG. NUTS | CARDINAL | N/A | N/A | ASP-9828 | 1987 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1000 1000 1000 1000 1000

1000 1000 1000 1000 1000

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED INLET FLANGE STUDS/NUTS ON VALVE 2-SV-45B.
Applicable Manufacturer's Data Reports to be attached

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV105OCN

Ref. JO # B006122 File:ME-VAL-2-SV-45B

ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 3-15- 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10/11/90 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.

MA Michelson Commissions MICHIGAN, ENDORS
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93

卷之五

६५

10

23

4

10

24

1999

4

•

10

■

41

[illegible]

\bullet \odot \oplus \dagger

24

1 2 3

10

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

Date 08/22/90

Sheet 1 of 2

Unit 2

B004913, 2-SV-45C, SAFETY VALVE
Repair Org. P.O. No., Job No., etc

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

5. (a) Applicable Const. Code ANSI B31.1 1967 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-45C | CROSBY | RV-1-8010C | N/A | N/A | N/A | REPLACED | YES |
| VALVE | CROSBY | RV-2-8010B | N/A | ASP-9827 | N/A | REPLCEMNT | YES |
| FLNG. NUTS | CARDINAL | N/A | N/A | ASP-9828 | 1987 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

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

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



AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE 2-SV-45C AND INLET FLANGE NUTS.
Applicable Manufacturer's Data Reports to be attached

NUTS PURCHASED PER SPECIFICATION DCCPV1050CN AND

P.O.37203-042-7X.

Ref. JO # B004913 File:ME-VAL-2-SV-45C

ISI Class: 1

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 10/10/90 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.

MR. M. H. Thompson Commissions MICH 0055, ENR N.S.I.
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3/22 19 93

三、四、五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

[illegible]

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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/11/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B000031, 2-SV-51, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address Expiration Date N/A
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983, Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-51 | CROSBY | N/A | N/A | N/A | N/A | REPLACED | NO |
| VALVE | CROSBY | 4-2 | N/A | ASP-10077 | 1987 | REPLCEMNT | NO |
| FLNG. STUD | CARDINAL | N/A | N/A | ASP-12525 | 1990 | REPLCEMNT | NO |
| FLNG. NUTS | TEXAS BOLT | N/A | N/A | ASP-3855 | 1981 | REPLCEMNT | NO |
| FLNG. NUTS | NOVA MACHINE | N/A | N/A | ASP-10340 | 1988 | REPLCMNT | NO |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
N/A ☐ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED VALVE AND INLET/OUTLET FLANGE STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 2-SV-51. VALVE PURCHASED PER P.O. 01995-041-1X.

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV105OCN.

Ref. JO # B000031 File:ME-VAL-2-SV-51 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-14-93 to 1-16-93, 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.

MR. M. J. M. M. M. Commissions MICH 0055, EN 2 N II
 Inspector's Signature National Board, State, Province, Endorsements

Date 3-22 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

三
二
一






















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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 10/15/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B015472, 2-SV-51, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|-------------------------|-------------------------------|
| VALVE 2-SV-51 | | | | | | | |
| DISC | CROSBY | N/A | N/A | ASP-12224 | 1990 | REPLCEMNT | NO |
| NOZZLE | CROSBY | N/A | N/A | ASP-12816 | 1990 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1000 1000 1000 1000

1000

1000 1000 1000 1000 1000 1000 1000 1000 1000 1000

FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED DISC AND NOZZLE IN VALVE 2-SV-51.
Applicable Manufacturer's Data Reports to be attached

DISC DEDICATED PER DEDICATION PLAN DCCPV12DP014 (PV0014), REV. 1
NOZZLE DEDICATED PER DEDICATION PLAN DCCPVDP014, REV. 3.

Ref. JO # B015472 File:ME-VAL-2-SV-51 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor. Date 5-21, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 5/21/93 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.

MR. Martin
 Inspector's Signature

Commissions Mich. 0055, END NEE
 National Board, State, Province, Endorsements

Date 5-21 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION

五、六、七、八、九、十

























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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/17/90
Name
P.O. Box 60 Fort Wayne, IN 46801
Address
Sheet 1 of 2
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106
Address
B016777, 2-SV-52, SAFETY VALVE
Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name
Same as #2 Authorization No. N/A
Address
Expiration Date N/A
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-52 | | | | | | | |
| STUDS/NUTS | CARDINAL | N/A | N/A | ASP-11683 | 1989 | REPLCEMNT | NO |
| NUTS | CARDINAL | N/A | N/A | ASP-12586 | 1990 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work _____ (See Remarks) _____
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

AMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED OUTLET FLANGE STUDS/NUTS AND INLET NUTS ON
Applicable Manufacturer's Data Reports to be attached
VALVE 2-SV-52.
STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV105OCN
Ref. JO # B016777 File:ME-VAL-2-SV-52 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-22-91 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.

[Signature] Commissions MICH 0055, ENCL NTE
 Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-22 19 93



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

1. Owner INDIANA MICHIGAN POWER COMPANY Date 08/18/90
Name
P.O. Box 60 Fort Wayne, IN 46801 Sheet 1 of 2
Address
2. Plant D.C. COOK NUCLEAR POWER PLANT Unit 2
Name
One Cook Place, Bridgman, MI 49106 B016583, 2-SV-54, SAFETY VALVE
Address Repair Org. P.O. No., Job No., etc
3. Work Performed by MAINTENANCE DEPT. Type Code Symbol Stamp N/A
Name Authorization No. N/A
Same as #2 Expiration Date N/A
Address
4. Identification of System CHEMICAL VOLUME AND CONTROL
5. (a) Applicable Const. Code ANSI B31.1 1983 Ed., N/A Add. N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1983,
Summer 1983 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

| Name of Component | Name of Manufacturer | Manuf. Serial No. | Nat. Board No. | Other Identification | Year Built | Repaired Replaced or Replacement | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------|----------------|----------------------|------------|----------------------------------|-------------------------------|
| VALVE 2-SV-54 | | | | | | | |
| STUDS/NUTS | CARDINAL | N/A | N/A | ASP-11683 | 1989 | REPLCEMNT | NO |
| STUDS/NUTS | TEXAS BOLT | N/A | N/A | ASP-7863 | 1985 | REPLCEMNT | NO |
| | | | | | | | |
| | | | | | | | |

7. Description of Work (See Remarks)

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

N/A ☒ Other ☐ Pressure _____ psi Test Temp. _____ °F

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 2, REPLACED INLET/OUTLET FLANGE STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 2-SV-54.

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # B016583 File:ME-VAL-2-SV-54

ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp N/A

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

Signed F.R. Pisarsky, Maint. Eng. Supervisor Date 3-15, 19 93
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Michigan and employed by ARKWRIGHT MUTUAL INS. CO.* of NORWOOD, MASS. have inspected the components described in this Owner's Report during the period 1-14-91 to 1-16-91, 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.

MA Muterpaugh Commissions Mich 0055, ENDET
Inspector's Signature National Board, State, Province, Endorsements

Date 3-22 19 93

*FACTORY MUTUAL ENGINEERING ASSOCIATION



DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 1

REACTOR PRESSURE VESSEL AND CLOSURE HEAD

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY NDE | | PROCEDURE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | INSTRUCTIONS |
|-------------------|------------------------------------|------------------------------|------|-----------|---|--------------|
| | | ITEM NO | METH | | | |

CLOSURE HEAD MERIDIONAL WELDS (FIG NO A-2)

| | | | | | | |
|--------|-----------------------------|-------|----|--|----------|--|
| 001705 | 2-CHM-07 | B-A | UT | | RV-2 | |
| | MERIDIONAL WELD AT 334 DEG. | B1.22 | | | I - - | |
| | | | | | U. CONT. | |

CLOSURE HEAD TO FLANGE WELD (FIG NO A-2)

| | | | | | | |
|--------|----------------|-------|----|--|----------|----------------------------|
| 001900 | 2-CHC-01 | B-A | MT | | RV-2 | EXAMINE 33% (172") IN |
| | HEAD TO FLANGE | B1.40 | UT | | I - - | ACCORDANCE WITH REG. GUIDE |
| | | | | | U. CONT. | 1.150, REV. 1 DURING EACH |
| | | | | | | DESIGNATED OUTAGE. |

CLOSURE STUDS

| | | | | | | |
|--------|--------------|-------|----|--|--------------------|-----------------------------|
| 004500 | 2-RPV-STUD | B-G-1 | MT | | 7-.750-8-CS-10-DCC | EXAMINE 33% (18 STUDS) EACH |
| | 1 THROUGH 54 | B6.30 | UT | | - - | DESIGNATED OUTAGE. |
| | | | | | 650' AUX. | |

CLOSURE NUTS

| | | | | | | |
|--------|--------------|-------|----|--|-----------|----------------------------|
| 004600 | 2-RPV-NUT | B-G-1 | MT | | | EXAMINE 33% (18 NUTS) EACH |
| | 1 THROUGH 54 | B6.10 | | | - - | DESIGNATED OUTAGE. |
| | | | | | 650' AUX. | |

VESSEL FLANGE THREADS

| | | | | | | |
|--------|----------------------|-------|----|--|--------------------|-------------------------|
| 004700 | 2-RPV-FLANGE THREADS | B-G-1 | UT | | 7-.750-8-CS-10-DCC | EXAMINE 33% (18) OF THE |
| | 1 THROUGH 54 | B6.40 | | | - - | THREADS EACH DESIGNATED |
| | | | | | U. CONT. | OUTAGE. |

CLOSURE WASHERS

| | | | | | | |
|--------|--------------|-------|------|--|-----------|-------------------------------|
| 004800 | 2-RPV-WASHER | B-G-1 | VT-1 | | | EXAMINE 33% (18 WASHERS) EACH |
| | 1 THROUGH 54 | B6.50 | PT | | - - | DESIGNATED OUTAGE. PERFORM PT |
| | | | | | 650' AUX. | IN ACCORDANCE WITH REG. GUIDE |
| | | | | | | 1.65. |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 2

PRESSURIZER (FIGURE A-4)

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ | | | |
|--|----------------------------|---------|--------------------|-----------|-----------------------|--------------------------------|
| NUMBER | IDENTIFICATION | SEC. XI | CATGY | NDE | SIZE-SCHEDULE-ACCESS/ | |
| | | ITEM NO | METH | PROCEDURE | LOCATION | INSTRUCTIONS |
| <u>NOZZLE TO SHELL AND SHELL TO NOZZLE WELDS</u> | | | | | | |
| 006920 | 4"-2-RC-28 | B-D | UT | | PL-3.0-CSCL-4-DCC | |
| | UPPER HEAD TO SPRAY NOZZLE | B3.110 | | | B - - | |
| | | | | | PRESS. DH | |
| 006970 | 14"-2-RC-21 | B-D | MT | | PL-3.0-CSCL-4-DCC | CODE RELIEF GRANTED FIRST |
| | SURGE NOZZLE TO LOWER HEAD | B2.2 | UT | | B - - | INTERVAL FROM PERFORMING UT |
| | | | | | CONT. PRT | EXAMINATION FROM NOZZLE SIDE |
| | | | | | | PROVIDED THAT (1) A FULL VEE |
| | | | | | | VOLUMETRIC EXAMINATION IS |
| | | | | | | PERFORMED FROM THE VESSEL SIDE |
| | | | | | | WHEN ACCESSIBLE AND (2) |
| | | | | | | SUPPLEMENTAL SURFACE. |

NOZZLE INSIDE RADIUS SECTIONS

| | | | | |
|--------|---|---------------|----|--------------------------------------|
| 007000 | 4"-2-RC-28-IRS UPPER HEAD TO SPRAY NOZZLE | B-D B3.120 | UT | IR-CSCL-24-DCC B - - PRESS. DH |
| 007500 | 14"-2-RC-21-IRS SURGE NOZZLE TO LOWER HEAD | B-D B3.120 | UT | IR-CS-33-DCC B - - CONT. PRT |

NOZZLE TO SAFE-END AND SAFE-END TO NOZZLE WELDS

| | | | | | |
|--------|--------------------------------|--------------|----------|--|--|
| 008000 | 2-PRZ-21 NOZZLE TO SAFE-END | B-F B5.40 | PT UT | 3378028 (6-SS-160-.71) B - - PRESS. DH | AUGMENTED UT EXAMINATION REQUIRED USING 45 DEG. REFRACTED LONGITUDINAL WAVE PER NRC I.N. 90-30. |
| 008500 | 2-PRZ-26 SAFE-END TO NOZZLE | B-F B5.40 | PT UT | 3378032 (14-SS-160-1.40) B - - PRESS. DH | AUGMENTED UT EXAMINATION REQUIRED USING 45 DEG. REFRACTED LONGITUDINAL WAVE PER NRC I.N. 90-30. |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 3

PRESSURIZER (FIGURE A-4)

| SUMMARY EXAMINATION AREA | | ASME | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|--------------------------|----------------|-----------|-----|---|------|--------------|
| NUMBER | IDENTIFICATION | CATGY | NDE | ITEM NO | METH | |
| | | PROCEDURE | | | | |

LOWER HEAD TO SUPPORT SKIRT WELD

| | | | | | | |
|--------|----------------|-------|----|--------------|--|--|
| 008505 | 2-PRZ-20 | B-H | MT | PL-1.5-CS-78 | | WELD CONFIGURATION REQUIRES SURFACE EXAMINATION ON THE INSIDE AND OUTSIDE SURFACES. INSIDE SURFACE EXAMINATION TO BE PERFORMED DURING FIRST OUTAGE, THIRD PERIOD. |
| | VESSEL SUPPORT | B8.20 | | B - - | | |
| | | | | CONT. PRT | | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 4

STEAM GENERATOR NO. 24 (FIGURE A-5)

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|--|--|--------------------------------------|---|--|--|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | LOCATION | |
| ----- | | | | | |
| <u>CIRCUMFERENTIAL WELDS</u> | | | | | |
| 011300 | STM-24-01 LOWER HEAD TO TUBE SHEET | B-B B2.40 | UT | RV-3 B - - CONT. L4 | |
| <u>NOZZLE INSIDE RADIUS SECTIONS</u> | | | | | |
| 011400 | STM-24-I-IRS INLET NOZZLE INSIDE RADIUSSECTION | B-D B3.140 | UT | IR-CSCL-24-DCC B - - CONT. L4 | |
| 011500 | STM-24-O-IRS OUTLET NOZZLE INSIDE RADIUS SECTION | B-D B3.140 | UT | IR-CSCL-24-DCC B - - CONT. L4 | |
| <u>NOZZLE TO ELBOW AND ELBOW TO NOZZLE WELDS</u> | | | | | |
| 011600 | STM-24-02 ELBOW TO INLET NOZZLE | B-F B5.70 | PT UT | CSS/CCS-MOCKUP-36-DCC B - - CONT. L4 | FULL VOLUMETRIC UT EXAMINATION REQUIRED DUE TO NRC COMMITMENT. |
| 011700 | STM-24-03 OUTLET NOZZLE TO ELBOW | B-F B5.70 | PT UT | CSS/CCS-MOCKUP-36-DCC B - - CONT. L4 | FULL VOLUMETRIC UT EXAMINATION REQUIRED DUE TO NRC COMMITMENT. |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 5

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS | |
|-----------------------------------|--|-------|-----|---|-----------|--|--|
| NUMBER | IDENTIFICATION | CATGY | NDE | ITEM NO | PROCEDURE | | |
| ----- | | | | | | | |
| <u>LINE 2-RC-18 (FIG NO A-7A)</u> | | | | | | | |
| 017560 | 2-RC-18-06-LU-I LONGITUDINAL SEAM | B-J | PT | B9.12 | UT | 37-CCSS-X-3.0-9-DCC B - - CONT. L2 | |
| 017580 | 2-RC-18-06-LU-0 LONGITUDINAL SEAM | B-J | PT | B9.12 | UT | 37-CCSS-X-3.0-9-DCC B - - CONT. L2 | |
| 017600 | 2-RC-18-06 ELBOW TO PIPE | B-J | PT | B9.11 | UT | 37-CCSS-X-3.0-9-DCC B - - CONT. L2 | |
| 017800 | 2-RC-18-05N 2-IN. NOZZLE (BRANCH CONNECTION) | B-J | PT | B9.32 | | I - - CONT. L2 | |
| 018000 | 2-RC-18-08 ELBOW TO PUMP | B-J | PT | B9.11 | UT | 37-CCSS-X-3.0-9-DCC B - - CONT. L2 | |
| <u>LINE 2-RC-18 (FIG NO A-7B)</u> | | | | | | | |
| 018100 | 2-RC-18-09 PUMP TO PIPE | B-J | PT | B9.11 | UT | 37-CCSS-X-3.0-9-DCC B - - CONT. L2 | |
| <u>LINE 2-RC-19 (FIG NO A-8A)</u> | | | | | | | |
| 020600 | 2-RC-19-07 PIPE TO ELBOW | B-J | PT | B9.11 | UT | 37-CCSS-X-3.0-9-DCC B - - CONT. L3 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 6

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|-----------------------------------|--|--------------|----------|---|---|--------------|
| NUMBER | IDENTIFICATION | CATGY | NDE | PROCEDURE | LOCATION | |
| | | ITEM NO | METH | | | |
| <hr/> | | | | | | |
| <u>LINE 2-RC-19 (FIG NO A-8A)</u> | | | | | | |
| 020620 | 2-RC-19-07-LD-I LONGITUDINAL SEAM | B-J B9.12 | PT UT | | 37-CCSS-X-3.0-9-DCC B - - CONT. L3 | |
| 020640 | 2-RC-19-07-LD-O LONGITUDINAL SEAM | B-J B9.12 | PT UT | | 37-CCSS-X-3.0-9-DCC B - - CONT. L3 | |
| <u>LINE 2-RC-19 (FIG NO A-8B)</u> | | | | | | |
| 021200 | 2-RC-19-08N 10-IN. NOZZLE (BRANCH CONNECTION) | B-J B9.31 | PT UT | | 37-CCSS-X-3.0-9-DCC B - - CONT. L3 | |
| 021550 | 2-RC-19-10N 1-1/2-IN. NOZZLE (BRANCH CONNECTION) | B-J B9.32 | PT | | B - - CONT. L3 | |
| <u>LINE 2-RC-22 (FIG NO A-11)</u> | | | | | | |
| 026300 | 2-RC-22-07 REDUCER TO PIPE | B-J B9.11 | PT UT | | 3378027 (4-SS-120-.430) B - - PRESS. DH | |
| 026500 | 2-RC-22-10 ELBOW TO PIPE | B-J B9.11 | PT UT | | 3378027 (4-SS-120-.430) B - - PRESS. DH | |
| 026833 | 2-RC-22-01N 3-IN. NOZZLE (BRANCH CONNECTION) | B-J B9.32 | PT | | B - - PRESS. DH | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 7

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|-----------------------------------|---------------------------------|--------------------------------------|---|--|--------------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | LOCATION | |
| <hr/> | | | | | |
| <u>LINE 2-RC-23 (FIG NO A-12)</u> | | | | | |
| 027500 | 2-RC-23-01 TEE TO PIPE | B-J PT B9.21 | | B - - PRESS. DH | |
| <u>LINE 2-RC-24 (FIG NO A-13)</u> | | | | | |
| 028300 | 2-RC-24-02 PIPE TO PIPE | B-J PT B9.21 | | B - - PRESS. DH | |
| <u>LINE 2-RC-25 (FIG NO A-14)</u> | | | | | |
| 028800 | 2-RC-25-02 ELBOW TO PIPE | B-J PT B9.11 UT | | 3378028 (6-SS-160-.71) B - - PRESS. DH | |
| <u>LINE 2-RC-26 (FIG NO A-15)</u> | | | | | |
| 029700 | 2-RC-26-02 ELBOW TO PIPE | B-J PT B9.11 UT | | 3378028 (6-SS-160-.71) B - - PRESS. DH | |
| <u>LINE 2-RC-27 (FIG NO A-16)</u> | | | | | |
| 030700 | 2-RC-27-03 PIPE TO ELBOW | B-J PT B9.11 UT | | 3378028 (6-SS-160-.71) B - - PRESS. DH | |
| 031200 | 2-RC-27-09 PIPE TO FLANGE | B-J PT B9.11 UT | | 3378028 (6-SS-160-.71) B - - PRESS. DH | |
| 031300 | 2-RC-27-09-FB FLANGE BOLTING | B-G-2 VT-1 B7.50 | | B - - PRESS. DH | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 8

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | SEC. XI | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|-----------------------------------|--|-------|---------|---------|---|-------------------------|---|
| NUMBER | IDENTIFICATION | CATGY | NDE | ITEM NO | PROCEDURE | | |
| ----- | | | | | | | |
| <u>LINE 2-RC-28 (FIG NO A-17)</u> | | | | | | | |
| 031500 | 2-RC-28-02 ELBOW TO PIPE | B-J | PT | | | 3378027 (4-SS-120-.430) | |
| | | B9.11 | UT | | | B - - CONT. L3 | |
| 033800 | 2-RC-28-18 PIPE TO TEE | B-J | PT | | | 3378027 (4-SS-120-.430) | |
| | | B9.11 | UT | | | B - - CONT. PRT | |
| 034200 | 2-RC-28-22 PIPE TO TEE | B-J | UT | | | 3378027 (4-SS-120-.430) | SCHEDULED IN RESPONSE TO NRCB 88-08 SUPP. 2. SEE WCAP-12143 SUPP. 1 FOR AUGMENTED UT REQUIREMENTS. |
| | | B9.11 | | | | B - - CONT. PRT | |
| 034300 | 2-RC-28-23 TEE TO PIPE | B-J | UT | | | 3378027 (4-SS-120-.430) | SCHEDULED IN RESPONSE TO NRCB 88-08 SUPP. 2. SEE WCAP-12143 SUPP. 1 FOR AUGMENTED UT REQUIREMENTS. |
| | | B9.11 | | | | B - - CONT. PRT | |
| 034400 | 2-RC-28-24 PIPE TO ELBOW | B-J | UT | | | 3378027 (4-SS-120-.430) | SCHEDULED IN RESPONSE TO NRCB 88-08 SUPP. 2. SEE WCAP-12143 SUPP. 1 FOR AUGMENTED UT REQUIREMENTS. |
| | | B9.11 | | | | B - - CONT. PRT | |
| 035300 | 2-RC-28-30 PIPE TO ELBOW | B-J | PT | | | 3378027 (4-SS-120-.430) | |
| | | B9.11 | UT | | | B - - CONT. PRT | |
| 037800 | 2-RC-28-51 ELBOW TO SAFE-END | B-J | PT | | | 3378027 (4-SS-120-.430) | |
| | | B9.11 | UT | | | B - - PRESS. DH | |
| <u>LINE 2-RC-29 (FIG NO A-18)</u> | | | | | | | |
| 037900 | 2-RC-29-01 BRANCH CONNECTION TO ELBOW | B-J | PT | | | 3378027 (4-SS-120-.430) | |
| | | B9.11 | UT | | | B - - CONT. L4 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 9

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|------------------------------------|--|--------------------------------------|---|---|---|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | | |
| ----- | | | | | |
| <u>LINE 2-RC-29 (FIG NO A-18)</u> | | | | | |
| 039700 | 2-RC-29-16 PIPE TO ELBOW | B-J PT B9.11 UT | | 3378027 (4-SS-120-.430) B - - CONT. PRT | |
| <u>LINE 2-RC-30 (FIG NO A-19)</u> | | | | | |
| 041300 | 2-RC-30-06 PIPE TO TEE | B-J UT B9.11 | | 3378027 (4-SS-120-.430) B - - CONT. PRT | SCHEDULED IN RESPONSE TO NRCB 88-08 SUPP. 2. SEE WCAP-12143 SUPP. 1 FOR AUGMENTED UT REQUIREMENTS. |
| <u>LINE 2-RC-31 (FIG NO A-20A)</u> | | | | | |
| 045700 | 2-RC-31-16-FB FLANGE BOLTING | B-G-2 VT-1 B7.50 | | B - - CONT. L1 | |
| <u>LINE 2-RC-34 (FIG NO A-23A)</u> | | | | | |
| 056200 | 2-RC-34-12-FB FLANGE BOLTING | B-G-2 VT-1 B7.50 | | B - - CONT. L4 | |
| <u>LINE 2-RC-512 (FIG NO A-24)</u> | | | | | |
| 058400 | 2-RC-512-01 BRANCH CONNECTION TO PIPE | B-J PT B9.40 | | B - - CONT. L1 | |
| 058500 | 2-RC-512-02 PIPE TO ELBOW | B-J PT B9.40 | | B - - CONT. L1 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 10

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | | INSTRUCTIONS |
|------------------------------------|------------------------------|--------------|------|---|-------------------|--|--------------|
| NUMBER | IDENTIFICATION | CATGY | NDE | PROCEDURE | LOCATION | | |
| | | ITEM NO | METH | | | | |
| <u>LINE 2-RC-512 (FIG NO A-24)</u> | | | | | | | |
| 058600 | 2-RC-512-03 ELBOW TO PIPE | B-J B9.40 | PT | | B - - CONT. L1 | | |
| 058700 | 2-RC-512-04 PIPE TO ELBOW | B-J B9.40 | PT | | B - - CONT. L1 | | |
| 058800 | 2-RC-512-05 ELBOW TO PIPE | B-J B9.40 | PT | | B - - CONT. L1 | | |
| 058900 | 2-RC-512-06 PIPE TO ELBOW | B-J B9.40 | PT | | B - - CONT. L1 | | |
| 059000 | 2-RC-512-07 ELBOW TO PIPE | B-J B9.40 | PT | | B - - CONT. L1 | | |
| 059100 | 2-RC-512-08 PIPE TO ELBOW | B-J B9.40 | PT | | B - - CONT. L1 | | |
| 059200 | 2-RC-512-09 ELBOW TO PIPE | B-J B9.40 | PT | | B - - CONT. L1 | | |
| 059300 | 2-RC-512-10 PIPE TO VALVE | B-J B9.40 | PT | | B - - CONT. L1 | | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 11

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|------------------------------------|----------------------------------|--------------------------------------|---|-------------------|--------------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | LOCATION | |
| ----- | | | | | |
| <u>LINE 2-RC-512 (FIG NO A-24)</u> | | | | | |
| 059400 | 2-RC-512-11 VALVE TO PIPE | B-J B9.40 | PT | B - - CONT. L1 | |
| 059500 | 2-RC-512-12 PIPE TO ELBOW | B-J B9.40 | PT | B - - CONT. L1 | |
| <u>LINE 2-RC-513 (FIG NO A-25)</u> | | | | | |
| 064400 | 2-RC-513-17 PIPE TO TEE | B-J B9.40 | PT | B - - CONT. L1 | |
| 064900 | 2-RC-513-21-FB FLANGE BOLTING | B-G-2 B7.50 | VT-1 | B - - CONT. L1 | |
| 065000 | 2-RC-513-22 TEE TO PIPE | B-J B9.40 | PT | B - - CONT. L1 | |
| 065100 | 2-RC-513-23 PIPE TO MANIFOLD | B-J B9.40 | PT | B - - CONT. L1 | |
| 065200 | 2-RC-513-24 MANIFOLD TO PIPE | B-J B9.40 | PT | B - - CONT. L1 | |
| 065300 | 2-RC-513-25 PIPE TO ELBOW | B-J B9.40 | PT | B - - CONT. L1 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 12

REACTOR COOLANT SYSTEM

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY NDE | | PROCEDURE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|------------------------------------|------------------------------------|------------------------------|------|-----------|---|---|---------------|
| | | ITEM NO | METH | | | | |
| <u>LINE 2-RC-513 (FIG NO A-25)</u> | | | | | | | |
| 065400 | 2-RC-513-26 ELBOW TO PIPE | B-J B9.40 | PT | | B | - | - CONT. L1 |
| 065500 | 2-RC-513-27 PIPE TO REDUCER | B-J B9.21 | PT | | B | - | - CONT. L1 |
| <u>LINE 2-RC-518 (FIG NO A-30)</u> | | | | | | | |
| 080700 | 2-RC-518-15 VALVE TO PIPE | B-J B9.40 | PT | | B | - | - CONT. L4 |
| 080800 | 2-RC-518-16 PIPE TO ELBOW | B-J B9.40 | PT | | B | - | - CONT. L4 |
| 080900 | 2-RC-518-17 ELBOW TO PIPE | B-J B9.40 | PT | | B | - | - CONT. L4 |
| 081000 | 2-RC-518-18 PIPE TO TEE | B-J B9.40 | PT | | B | - | - CONT. L4 |
| 081100 | 2-RC-518-19 TEE TO REDUCER | B-J B9.40 | PT | | B | - | - CONT. L4 |
| 081200 | 2-RC-518-20 TEE TO PIPE | B-J B9.40 | PT | | B | - | - CONT. L4 |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 13

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|------------------------------------|---------------------------------|--------------------------------------|---|-------------------|--------------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO HETH | PROCEDURE | LOCATION | |
| ----- | | | | | |
| <u>LINE 2-RC-518 (FIG NO A-30)</u> | | | | | |
| 081300 | 2-RC-518-21 PIPE TO MANIFOLD | B-J PT B9.40 | | B - - CONT. L4 | |
| 081700 | 2-RC-518-25 PIPE TO TEE | B-J PT B9.40 | | B - - CONT. L4 | |
| 081800 | 2-RC-518-26 TEE TO REDUCER | B-J PT B9.40 | | B - - CONT. L4 | |
| 081900 | 2-RC-518-27 TEE TO PIPE | B-J PT B9.40 | | B - - CONT. L4 | |
| 082000 | 2-RC-518-28 PIPE TO ELBOW | B-J PT B9.40 | | B - - CONT. L4 | |
| 082100 | 2-RC-518-29 ELBOW TO PIPE | B-J PT B9.40 | | B - - CONT. L4 | |
| 082200 | 2-RC-518-30 PIPE TO FLANGE | B-J PT B9.40 | | B - - CONT. L4 | |
| 082400 | 2-RC-518-31 FLANGE TO PIPE | B-J PT B9.40 | | B - - CONT. L4 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 14

REACTOR COOLANT SYSTEM

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY NDE | | PROCEDURE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | | INSTRUCTIONS |
|------------------------------------|------------------------------------|------------------------------|------|-----------|---|---|---|--------------|
| | | ITEM NO | METH | | | | | |
| <u>LINE 2-RC-519 (FIG NO A-31)</u> | | | | | | | | |
| 084800 | 2-RC-519-17 PIPE TO TEE | B-J B9.40 | PT | | B | - | - | CONT. L4 |
| 084900 | 2-RC-519-18 TEE TO PIPE | B-J B9.40 | PT | | B | - | - | CONT. L4 |
| 085000 | 2-RC-519-19 PIPE TO VALVE | B-J B9.40 | PT | | B | - | - | CONT. L4 |
| 085100 | 2-RC-519-20 VALVE TO PIPE | B-J B9.40 | PT | | B | - | - | CONT. L4 |
| 085200 | 2-RC-519-21 PIPE TO FLANGE | B-J B9.40 | PT | | B | - | - | CONT. L4 |
| 085300 | 2-RC-519-21-FB FLANGE BOLTING | B-G-2 B7.50 | VT-1 | | B | - | - | CONT. L4 |
| 085400 | 2-RC-519-22 TEE TO PIPE | B-J B9.40 | PT | | B | - | - | CONT. L4 |
| <u>LINE 2-RC-525 (FIG NO A-32)</u> | | | | | | | | |
| 086200 | 2-RC-525-03 TEE TO PIPE | B-J B9.40 | PT | | B | - | - | CONT. PRT |

10/10/10

10/10/10



10/10/10

10/10/10

10/10/10



DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 15

REACTOR COOLANT SYSTEM

| SUMMARY EXAMINATION AREA | | ASHE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS | |
|--------------------------|----------------|-------------------------------------|---|--|--------------|--|
| NUMBER | IDENTIFICATION | CATGY NDE ITEM NO METH PROCEDURE | LOCATION | | | |
| ----- | | | | | | |

LINE 2-RC-525 (FIG NO A-32)

| | | | | | |
|--------|---------------|--------|-----------|---|---|
| 086900 | 2-RC-525-06 | B-J PT | | | |
| | PIPE TO ELBOW | B9.40 | | | |
| | | | B | - | - |
| | | | CONT. PRT | | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 16

SAFETY INJECTION SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|-----------------------------------|------------------------------|--------------------------------------|---|--|--|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | LOCATION | |
| <hr/> | | | | | |
| <u>LINE 2-SI-56 (FIG NO A-33)</u> | | | | | |
| 089000 | 2-SI-56-11 ELBOW TO PIPE | B-J PT B9.11 UT | | 3378030 (10-SS-140-1.0) B - - CONT. L1 | |
| <u>LINE 2-SI-78 (FIG NO A-33)</u> | | | | | |
| 090100 | 2-SI-78-01 VALVE TO ELBOW | B-J PT B9.11 UT | | 3378028 (6-SS-160-.71) B - - CONT. L1 | |
| <u>LINE 2-SI-57 (FIG NO A-34)</u> | | | | | |
| 091050 | 2-SI-57-02 PIPE TO TEE | B-J PT B9.11 UT | | 3378030 (10-SS-140-1.0) I - - ANNULUS | |
| 091500 | 2-SI-57-06 ELBOW TO PIPE | B-J PT B9.11 UT | | 3378030 (10-SS-140-1.0) B - - ANNULUS | |
| 093200 | 2-SI-57-22 TEE TO PIPE | B-J PT B9.11 UT | | 3378030 (10-SS-140-1.0) B - - CONT. L2 | |
| <u>LINE 2-SI-58 (FIG NO A-35)</u> | | | | | |
| 095300 | 2-SI-58-06 COLLAR TO PIPE | B-K-1 PT B10.10 | | B - - CONT. L3 | 100% UT NOT FEASIBLE DUE TO WELD CONFIGURATION. |
| 095400 | 2-SI-58-07 PIPE TO ELBOW | B-J PT B9.11 UT | | 3378030 (10-SS-140-1.0) B - - CONT. L3 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 17

SAFETY INJECTION SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|-----------------------------------|----------------|--------------|---|-------------------------|-----------------------------|
| NUMBER | IDENTIFICATION | CATGY NDE | PROCEDURE | LOCATION | |
| | | ITEM NO METH | | | |
| <u>LINE 2-SI-58 (FIG NO A-35)</u> | | | | | |
| 096300 | 2-SI-58-16 | B-J | PT | 3378030 (10-SS-140-1.0) | |
| | ELBOW TO PIPE | B9.11 | UT | B - - CONT. L3 | |
| 096800 | 2-SI-58-21 | B-J | PT | 3378030 (10-SS-140-1.0) | |
| | PIPE TO VALVE | B9.11 | UT | B - - CONT. L3 | |
| <u>LINE 2-SI-59 (FIG NO A-36)</u> | | | | | |
| 098400 | 2-SI-59-05 | B-K-1 | PT | | 100% UT NOT FEASIBLE DUE TO |
| | COLLAR TO PIPE | B10.10 | | B - - CONT. L4 | WELD CONFIGURATION. |
| 098800 | 2-SI-59-09 | B-J | PT | 3378030 (10-SS-140-1.0) | |
| | ELBOW TO PIPE | B9.11 | UT | B - - CONT. L4 | |
| 099700 | 2-SI-59-18 | B-J | PT | 3378028 (6-SS-160-.71) | |
| | ELBOW TO PIPE | B9.11 | UT | B - - CONT. L4 | |
| <u>LINE 2-SI-60 (FIG NO A-37)</u> | | | | | |
| 100600 | 2-SI-60-02 | B-J | PT | 3378029 (8-SS-160-.81) | |
| | ELBOW TO PIPE | B9.11 | UT | - - ANNULUS | |
| 102000 | 2-SI-60-07 | B-J | PT | 3378029 (8-SS-160-.81) | |
| | PIPE TO ELBOW | B9.11 | UT | S - - ANNULUS | |

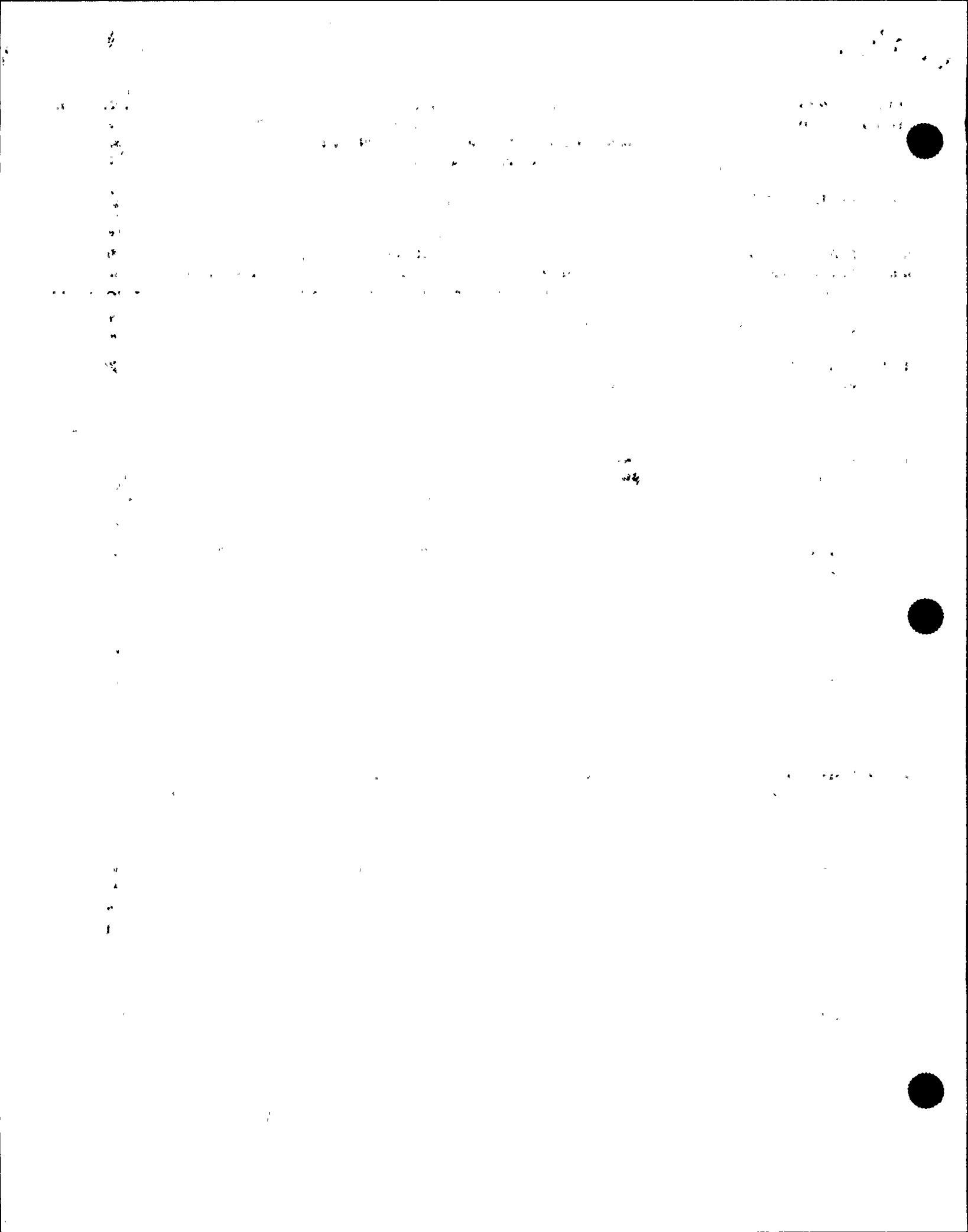
DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 18

SAFETY INJECTION SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | | PROCEDURE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | INSTRUCTIONS |
|------------------------------------|------------------------------|-----------------|----------|-----------|---|--|
| NUMBER | IDENTIFICATION | CATGY | NDE | | | |
| | | ITEM NO | METH | | | |
| <u>LINE 2-SI-60 (FIG NO A-37A)</u> | | | | | | |
| 102950 | 2-SI-60-17 PIPE TO PIPE | B-J B9.11 | PT UT | | 3378028 (6-SS-160-.71) S - - ANNULUS | |
| 103200 | 2-SI-60-19 COLLAR TO PIPE | B-K-1 B10.10 | PT UT | | S - - CONT. L4 | 100% UT NOT FEASIBLE DUE TO WELD CONFIGURATION. |
| 103700 | 2-SI-60-26 PIPE TO ELBOW | B-J B9.11 | PT UT | | 3378028 (6-SS-160-.71) S - - CONT. L4 | |
| 104000 | 2-SI-60-29 ELBOW TO PIPE | B-J B9.11 | PT UT | | 3378028 (6-SS-160-.71) S - - CONT. L4 | |
| <u>LINE 2-SI-61 (FIG NO A-38)</u> | | | | | | |
| 104900 | 2-SI-61-05 PIPE TO ELBOW | B-J B9.11 | PT UT | | 3378028 (6-SS-160-.71) S - - CONT. L1 | |
| 105200 | 2-SI-61-08 ELBOW TO PIPE | B-J B9.11 | PT UT | | 3378028 (6-SS-160-.71) S - - CONT. L1 | |
| 105600 | 2-SI-61-12 ELBOW TO PIPE | B-J B9.11 | PT UT | | 3378028 (6-SS-160-.71) S - - CONT. L1 | |
| <u>LINE 2-SI-62 (FIG NO A-39)</u> | | | | | | |
| 106100 | 2-SI-62-02 ELBOW TO PIPE | B-J B9.11 | PT UT | | 3378029 (8-SS-160-.81) - - ANNULUS | |



DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 19

SAFETY INJECTION SYSTEM

| SUMMARY EXAMINATION AREA | | ASHE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|------------------------------------|---------------------------------------|--------------------------------------|---|--|---|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | | |
| ----- | | | | | |
| <u>LINE 2-SI-62 (FIG NO A-39)</u> | | | | | |
| 106200 | 2-SI-62-02-PL 1 THROUGH 4 PIPE LUG | B-K-1 PT B10.10 | S " - - ANNULUS | | UT ON WELD NOT FEASIBLE DUE TO WELD CONFIGURATION. |
| 106700 | 2-SI-62-02-PL 5 THROUGH 8 PIPE LUG | B-K-1 PT B10.10 | S - - ANNULUS | | UT ON WELD NOT FEASIBLE DUE TO WELD CONFIGURATION. |
| 108100 | 2-SI-62-12 PIPE TO ELBOW | B-J PT B9.11 UT | 3378028 (6-SS-160-.71) S - - ANNULUS | | |
| <u>LINE 2-SI-63 (FIG NO A-40)</u> | | | | | |
| 111100 | 2-SI-63-08 ELBOW TO PIPE | B-J PT B9.11 UT | 3378028 (6-SS-160-.71) S - - CONT. L2 | | |
| 111600 | 2-SI-63-13 PIPE TO ELBOW | B-J PT B9.11 UT | 3378028 (6-SS-160-.71) S - - CONT. L2 | | |
| 112000 | 2-SI-63-17 PIPE TO VALVE | B-J PT B9.11 UT | 3378028 (6-SS-160-.71) B - - CONT. L2 | | |
| <u>LINE 2-SI-566 (FIG NO A-41)</u> | | | | | |
| 113400 | 2-SI-566-11 ELBOW TO PIPE | B-J PT B9.40 | S - - ANNULUS | | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 20

SAFETY INJECTION SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | SEC. XI | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|------------------------------------|--|-------|---------|---------|---|-------------------|--------------|
| NUMBER | IDENTIFICATION | CATGY | NDE | ITEM NO | METH | PROCEDURE | |
| ----- | | | | | | | |
| <u>LINE 2-SI-566 (FIG NO A-41)</u> | | | | | | | |
| 113900 | 2-SI-566-15 COUPLING TO PIPE | B-J | PT | B9.40 | | S - - CONT. L1 | |
| 115000 | 2-SI-566-24 PIPE TO BRANCH CONNECTION | B-J | PT | B9.40 | | B - - CONT. L1 | |
| <u>LINE 2-SI-567 (FIG NO A-42)</u> | | | | | | | |
| 116900 | 2-SI-567-16 PIPE TO COUPLING | B-J | PT | B9.40 | | S - - CONT. L4 | |
| 117600 | 2-SI-567-23 ELBOW TO PIPE | B-J | PT | B9.40 | | S - - CONT. L4 | |
| <u>LINE 2-SI-568 (FIG NO A-43)</u> | | | | | | | |
| 119300 | 2-SI-568-05 ELBOW TO PIPE | B-J | PT | B9.40 | | - - ANNULUS | |
| 120200 | 2-SI-568-12 PIPE TO ELBOW | B-J | PT | B9.40 | | S - - ANNULUS | |
| 121100 | 2-SI-568-20 PIPE TO ELBOW | B-J | PT | B9.40 | | S - - CONT. L2 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 21

SAFETY INJECTION SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | | INSTRUCTIONS |
|------------------------------------|------------------------------|---------|------|---|-------------------|--|--------------|
| NUMBER | IDENTIFICATION | CATGY | NDE | PROCEDURE | LOCATION | | |
| | | ITEM NO | METH | | | | |
| <u>LINE 2-SI-568 (FIG NO A-43)</u> | | | | | | | |
| 122200 | 2-SI-568-28 PIPE TO VALVE | B-J | PT | | B - - CONT. L2 | | |
| <u>LINE 2-SI-569 (FIG NO A-44)</u> | | | | | | | |
| 123700 | 2-SI-569-10 PIPE TO ELBOW | B-J | PT | | - - ANNULUS | | |
| 125700 | 2-SI-569-25 ELBOW TO PIPE | B-J | PT | | B - - CONT. L3 | | |
| 126400 | 2-SI-569-31 ELBOW TO PIPE | B-J | PT | | B - - CONT. L3 | | |
| 126900 | 2-SI-569-35 ELBOW TO PIPE | B-J | PT | | B - - CONT. L3 | | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 22

CHEMICAL AND VOLUME CONTROL SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS | |
|------------------------------------|--|------------------|---|-----------|--------------------|----------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY | NDE ITEM NO METH | PROCEDURE | | LOCATION |
| ----- | | | | | | |
| <u>LINE 2-CS-119 (FIG NO A-46)</u> | | | | | | |
| 129600 | 2-CS-119-12 PIPE TO PIPE | B-J B9.21 | PT | | B - - CONT. L4 | |
| 131200 | 2-CS-119-24 REDUCER TO PIPE | B-J B9.21 | PT | | B - - CONT. PRT | |
| <u>LINE 2-CS-120 (FIG NO A-47)</u> | | | | | | |
| 134200 | 2-CS-120-03 VALVE TO PIPE | B-J B9.21 | PT | | B - - CONT. L1 | |
| 136100 | 2-CS-120-12 PIPE TO ELBOW | B-J B9.21 | PT | | B - - CONT. L1 | |
| <u>LINE 2-CS-121 (FIG NO A-48)</u> | | | | | | |
| 137200 | 2-CS-121-10 PIPE TO BRANCH CONNECTION | B-J B9.21 | PT | | B - - CONT. L4 | |
| <u>LINE 2-CS-687 (FIG NO A-49)</u> | | | | | | |
| 138100 | 2-CS-687-09 ELBOW TO PIPE | B-J B9.40 | PT | | B - - CONT. L4 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 23

RESIDUAL HEAT REMOVAL SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | INSTRUCTIONS |
|-----------------------------------|-----------------------------|-------|-----|---------|---|---|
| NUMBER | IDENTIFICATION | CATGY | NDE | ITEM NO | METH | PROCEDURE |
| ----- | | | | | | |
| <u>LINE 2-RH-33 (FIG NO A-59)</u> | | | | | | |
| 148900 | 2-RH-33-02 PIPE TO ELBOW | B-J | PT | B9.11 | UT | 3378032 (14-SS-160-1.40) B - - CONT. L2 |
| 149400 | 2-RH-33-07 ELBOW TO PIPE | B-J | PT | B9.11 | UT | 3378032 (14-SS-160-1.40) B - - CONT. L2 |
| 150400 | 2-RH-33-17 PIPE TO ELBOW | B-J | PT | B9.11 | UT | 3378032 (14-SS-160-1.40) B - - ANNULUS |
| 150466 | 2-RH-33-17-PL PIPE LUG | B-K-1 | PT | B10.10 | | B - - ANNULUS UT ON WELD NOT FEASIBLE DUE TO WELD CONFIGURATION. |
| 150500 | 2-RH-33-18 ELBOW TO PIPE | B-J | PT | B9.11 | UT | 3378032 (14-SS-160-1.40) B - - ANNULUS |
| 150800 | 2-RH-33-21 PIPE TO VALVE | B-J | PT | B9.11 | UT | 3378032 (14-SS-160-1.40) I - - ANNULUS |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 24

WASTE DISPOSAL SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|--------------------------|----------------|---------------------------|---|--|--------------|
| NUMBER | IDENTIFICATION | CATGY NDE ITEM NO METH | PROCEDURE | | |

LINE 2-WD-822 (FIG NO A-62)

| | | | | | |
|--------|---------------|-------|----|----------|--|
| 152000 | 2-WD-822-04 | B-J | PT | | |
| | PIPE TO VALVE | B9.40 | | I - - | |
| | | | | CONT. L3 | |

| | | | | | |
|--------|----------------|-------|----|----------|--|
| 152300 | 2-WD-822-07 | B-J | PT | | |
| | TEE TO REDUCER | B9.40 | | I - - | |
| | | | | CONT. L3 | |

LINE 2-WD-823 (FIG NO A-63)

| | | | | | |
|--------|---------------|-------|----|----------|--|
| 152900 | 2-WD-823-04 | B-J | PT | | |
| | PIPE TO VALVE | B9.40 | | I - - | |
| | | | | CONT. L4 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 25

REACTOR COOLANT PUMP NO. 21 (FIGURE A-64)

| SUMMARY EXAMINATION AREA | ASME | CALIBRATION BLOCK/ | |
|--------------------------|--------------|-----------------------|--------------|
| NUMBER IDENTIFICATION | SEC. XI | SIZE-SCHEDULE-ACCESS/ | |
| | CATGY NDE | LOCATION | INSTRUCTIONS |
| | ITEM NO METH | PROCEDURE | |

PUMP FLYWHEEL

| | | | |
|-----------------|--------|----|-----------------------|
| 153500 FLYWHEEL | -- | UT | RC FLYWHEEL-CS-31-DCC |
| (IN PLACE) | RG1.14 | | - |
| | | | CONT. L1 |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 26

REACTOR COOLANT PUMP NO. 22 (FIGURE A-64)

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY NDE | | PROCEDURE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|-------------------|------------------------------------|------------------------------|------|-----------|---|--|--------------|
| | | ITEM NO | METH | | | | |

SUPPORT COMPONENT

| | | | | | | | | |
|--------|-------------------|-----------------|----|--|---|---|---|--|
| 153750 | SUPPORT LUG NO. 1 | B-K-1 B10.20 | PT | | B | - | - | UT OF WELD NOT FEASIBLE DUE TO ATTENUATIVE PROPERTIES OF PUMP CASING MATERIAL. |
| 153800 | SUPPORT LUG NO. 2 | B-K-1 B10.20 | PT | | B | - | - | UT OF WELD NOT FEASIBLE DUE TO ATTENUATIVE PROPERTIES OF PUMP CASING MATERIAL. |
| 153850 | SUPPORT LUG NO. 3 | B-K-1 B10.20 | PT | | B | - | - | UT OF WELD NOT FEASIBLE DUE TO ATTENUATIVE PROPERTIES OF PUMP CASING MATERIAL. |

CIRCUMFERENTIAL WELDS

| | | | | | | | | |
|--------|------------------|-----------------|------|--|-------|----|---|-----------------|
| 154050 | PUMP CASING WELD | B-L-1 B12.10 | VT-1 | | B | - | - | CODE CASE N-481 |
| | | | | | CONT. | L2 | | |

PUMP FLYWHEEL

| | | | | | | | | |
|--------|------------------------|--------------|----|--|-----------------------|----|---|--|
| 154150 | FLYWHEEL (IN PLACE) | -- RG1.14 | UT | | RC FLYWHEEL-CS-31-DCC | - | - | |
| | | | | | CONT. | L2 | | |

10/10/10

10/10/10

10/10/10



10/10/10

10/10/10



DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 27

REACTOR COOLANT PUMP NO. 23 (FIGURE A-64)

| | | ASME | | | | | |
|--------------------------|----------------|---------|------|-----------|----------|-----------------------|--|
| | | SEC. XI | | | | CALIBRATION BLOCK/ | |
| SUMMARY EXAMINATION AREA | | CATGY | NDE | | | SIZE-SCHEDULE-ACCESS/ | |
| NUMBER | IDENTIFICATION | ITEM NO | METH | PROCEDURE | LOCATION | INSTRUCTIONS | |
| ----- | | | | | | | |

PUMP FLYWHEEL

| | | | | |
|--------|------------|--------|----|-----------------------|
| 154850 | FLYWHEEL | -- | UT | RC FLYWHEEL-CS-31-DCC |
| | (IN PLACE) | RG1.14 | | - |
| | | | | CONT. L3 |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 28

REACTOR COOLANT PUMP NO. 24 (FIGURE A-64)

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|--------------------------|----------------|--------------------------------------|---|--|--------------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | | |

PUMP FLYWHEEL

| | | | |
|--------|------------------------|-----------------|--|
| 155550 | FLYWHEEL (IN PLACE) | -- UT RG1.14 | RC FLYWHEEL-CS-31-DCC - - CONT. L4 |
|--------|------------------------|-----------------|--|

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 1 COMPONENTS

PAGE: 29

VALVE PRESSURE RETAINING BOLTING (2" AND LESS)

| SUMMARY EXAMINATION AREA | | ASME | | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | INSTRUCTIONS |
|--------------------------|----------------|-----------|---------|------|---|--------------|
| NUMBER | IDENTIFICATION | CATGY NDE | ITEM NO | METH | LOCATION | |

LINE 2-SI-57 (FIG NO A-34)

| | | | | | | |
|--------|----------------|-------|------|--|----------|--|
| 220600 | SI-166-2 | B-G-2 | VT-1 | | | |
| | FLANGE BOLTING | B7.70 | | | I - - | |
| | | | | | CONT. L2 | |

LINE 2-SI-59 (FIG NO A-36)

| | | | | | | |
|--------|----------------|-------|------|--|----------|--|
| 221100 | SI-166-4 | B-G-2 | VT-1 | | | |
| | FLANGE BOLTING | B7.70 | | | I - - | |
| | | | | | CONT. L4 | |

LINE 2-SI-62 (FIG NO A-39A)

| | | | | | | |
|--------|----------------|-------|------|--|----------|--|
| 221600 | SI-158-L3 | B-G-2 | VT-1 | | | |
| | FLANGE BOLTING | B7.70 | | | B - - | |
| | | | | | CONT. L3 | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 30

STEAM GENERATOR NO. 24 (FIGURE B-4)

| SUMMARY EXAMINATION AREA | | ASME | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | | INSTRUCTIONS |
|--------------------------|----------------|-------|-----|---|------|-----------|--------------|
| NUMBER | IDENTIFICATION | CATGY | NDE | ITEM NO | METH | PROCEDURE | |
| | | | | | | | |
| | | | | | | | |

CIRCUMFERENTIAL WELDS

| | | | | |
|--------|----------------------|-------|----|------------------|
| 300340 | STM-24-05 | C-A | UT | PL-3.0-CS-22-DCC |
| | STUB BARREL TO SHELL | C1.10 | | B - - |
| | | | | CONT. L4 |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 31

REGENERATIVE HEAT EXCHANGER (FIGURE B-5)

| SUMMARY EXAMINATION AREA | | ASME SEC. XI | CATGY NDE | | PROCEDURE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | INSTRUCTIONS |
|--------------------------|----------------|-----------------|-----------|------|-----------|---|--------------|
| NUMBER | IDENTIFICATION | | ITEM NO | METH | | | |

CIRCUMFERENTIAL WELDS

| | | | | | | | |
|--------|---------------------------------|--------------|----|--|--|---|--|
| 300480 | RHE-2-14 CAP TO SHELL | C-A C1.20 | UT | | | 9.625-CCSS-X-1.0-2-DCC B - - REGEN HXRM | |
| 300490 | RHE-2-15 SHELL TO TUBE SHEET | C-A C1.30 | UT | | | 9.625-CCSS-X-1.0-2-DCC B - - REGEN HXRM | |
| 300500 | RHE-2-17 TUBE SHEET TO SHELL | C-A C1.30 | UT | | | 9.625-CCSS-X-1.0-2-DCC B - - REGEN HXRM | |
| 300510 | RHE-2-20 SHELL TO CAP | C-A C1.20 | UT | | | 9.625-CCSS-X-1.0-2-DCC B - - REGEN HXRM | |

DATE: 10/19/93

REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 32

CHEMICAL AND VOLUME CONTROL TANK (FIGURE B-6)

| SUMMARY EXAMINATION AREA | | ASME | | CALIBRATION BLOCK/ | | INSTRUCTIONS |
|--------------------------|----------------|---------|------|-----------------------|--|--------------|
| NUMBER | IDENTIFICATION | SEC. XI | NDE | SIZE-SCHEDULE-ACCESS/ | | |
| | | CATGY | | LOCATION | | |
| | | ITEM NO | METH | PROCEDURE | | |

INTEGRALLY WELDED VESSEL SUPPORTS

300660 2-CVCT-2VS-7, 8, & 9

C-C PT
C3.10

VCT RM

DATE: 10/19/93

REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 33

CTS HEAT EXCHANGER WEST (FIGURE B-7A)

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|--------------------------|----------------|--------------------------------------|---|--|--------------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | | |
| ----- | | | | | |

CIRCUMFERENTIAL WELDS

| | | | | |
|--------|-----------------|-------|----|-------------------|
| 300680 | W-CTSHX-2 | C-A | UT | PL-.500-SS-25-DCC |
| | SHELL TO FLANGE | C1.10 | | - - |
| | | | | W CTS HXRM |

NOZZLE TO SHELL AND SHELL TO NOZZLE WELDS

| | | | | |
|--------|-----------------|-------|----|------------|
| 300681 | W-CTSHX-IN | C-B | PT | |
| | NOZZLE TO SHELL | C2.11 | | - - |
| | | | | W CTS HXRM |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 34

RHR HEAT EXCHANGER WEST (FIGURE B-8A)

| SUMMARY EXAMINATION AREA | | ASME | | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | INSTRUCTIONS |
|--------------------------|----------------|---------|-------|-----------|---|--------------|
| NUMBER | IDENTIFICATION | SEC. XI | CATGY | NDE | | |
| | | ITEM NO | METH | PROCEDURE | | |
| <hr/> | | | | | | |

CIRCUMFERENTIAL WELDS

| | | | | |
|--------|---------------|-------|----|--------------------|
| 300770 | W-RHRHEX-2 | C-A | UT | PL-1.000-SS-27-DCC |
| | SHELL TO HEAD | C1.20 | | - - |
| | | | | W RHR HXRH |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 35

BORON INJECTION TANK (FIGURE B-9)

| | | ASME | | | | |
|---------|------------------|---------|------|-----------|-----------------------|--------------|
| | | SEC. XI | | | CALIBRATION BLOCK/ | |
| SUMMARY | EXAMINATION AREA | CATGY | NDE | | SIZE-SCHEDULE-ACCESS/ | |
| NUMBER | IDENTIFICATION | ITEM NO | METH | PROCEDURE | LOCATION | INSTRUCTIONS |
| ----- | | | | | | |

INTEGRALLY WELDED VESSEL SUPPORTS

| | | | | | | |
|--------|------------|-------|----|--|-----|----|
| 300920 | 2-BIT-VS-3 | C-C | MT | | - | - |
| | | C3.10 | | | | |
| | | | | | BIT | RH |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 36

EMERGENCY CORE COOLING

| SUMMARY EXAMINATION AREA | | ASME | SEC. XI | | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|---|--|-------|---------|---------|---|--|--------------|
| NUMBER | IDENTIFICATION | CATGY | NDE | ITEM NO | PROCEDURE | LOCATION | |
| | | | | | | | |
| <u>LINE 2-SI-8 (FIG NO B-11)</u> | | | | | | | |
| 310580 | 2-SI-8-16S PIPE TO ELBOW | C-F | PT | C5.11 | | - E RHR PPRM | |
| <u>LINE 2-SI-9 (FIG NO B-12)</u> | | | | | | | |
| 310900 | 2-SI-9-04F PIPE TO ELBOW | C-F | PT | C5.11 | | - VESTIBULE | |
| 311010 | 2-SI-9-15S PIPE TO ELBOW | C-F | PT | C5.11 | | - VESTIBULE | |
| <u>LINE 2-SI-58 (FIG NO B-15)</u> | | | | | | | |
| 311430 | 2-SI-58-09F VALVE TO PIPE | C-F | PT | C5.21 | UT | 3378030 (10-SS-140-1.0) - ANNULUS | |
| <u>LINE 2-SI-60 (FIG NO B-17 & B-1)</u> | | | | | | | |
| 311670 | 2-SI-60-11S PIPE TO ELBOW | C-F | PT | C5.21 | UT | 3378029 (8-SS-160-.81) - ANNULUS | |
| <u>LINE 2-SI-62 (FIG NO B-19 & B-2)</u> | | | | | | | |
| 312160 | 2-SI-62-24S PIPE TO ELBOW | C-F | PT | C5.21 | UT | 3378029 (8-SS-160-.81) S - ANNULUS | |
| 312200 | 2-SI-62-27S-PL 1 THROUGH 4 PIPE LUG | C-C | PT | C3.20 | | S - ANNULUS | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 37

EMERGENCY CORE COOLING

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|---|--------------------------------|---------------------------|---|--|--------------|
| NUMBER | IDENTIFICATION | CATGY NDE ITEM NO METH | PROCEDURE | LOCATION | |
| ----- | | | | | |
| <u>LINE 2-SI-78 (FIG NO B-23)</u> | | | | | |
| 312600 | 2-SI-78-01F REDUCER TO PIPE | C-F PT C5.21 UT | | 3378028 (6-SS-160-.71) S - - ANNULUS | |
| <u>LINE 2-SI-79 (FIG NO B-24 & B-2)</u> | | | | | |
| 312910 | 2-SI-79-15S PIPE TO ELBOW | C-F PT C5.21 UT | | 3378028 (6-SS-160-.71) S - - ANNULUS | |
| <u>LINE 2-RH-14 (FIG NO B-26)</u> | | | | | |
| 313050 | 2-RH-14-04S PIPE TO ELBOW | C-F PT C5.11 | | - - W RHR PPRM | |
| 313185 | 2-RH-14-15F-PS PIPE SUPPORT | C-C PT C3.20 | | B - - W CHG PPRM | |
| <u>LINE 2-RH-15 (FIG NO B-27)</u> | | | | | |
| 313340 | 2-RH-15-03F VALVE TO PIPE | C-F PT C5.11 | | - - E RHR PPRM | |
| 313610 | 2-RH-15-28S PIPE TO ELBOW | C-F PT C5.11 | | - - E RHR HXRM | |
| <u>LINE 2-RH-16 (FIG NO B-28)</u> | | | | | |
| 313830 | 2-RH-16-20S PIPE TO TEE | C-F PT C5.11 | | - - E RHR HXRM | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 38

EMERGENCY CORE COOLING

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|-----------------------------------|--------------------------------|--------------------------------------|---|-----------------|--------------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | LOCATION | |
| ----- | | | | | |
| <u>LINE 2-RH-17 (FIG NO B-29)</u> | | | | | |
| 313970 | 2-RH-17-09F ELBOW TO PIPE | C-F C5.11 | PT | - VESTIBULE | - |
| <u>LINE 2-RH-18 (FIG NO B-30)</u> | | | | | |
| 314280 | 2-RH-18-23F PIPE TO ELBOW | C-F C5.11 | PT | - VESTIBULE | - |
| <u>LINE 2-RH-19 (FIG NO B-31)</u> | | | | | |
| 314530 | 2-RH-19-13S TEE TO PIPE | C-F C5.11 | PT | - E RHR HXRH | - |
| <u>LINE 2-RH-20 (FIG NO B-32)</u> | | | | | |
| 314830 | 2-RH-20-08S PIPE TO ELBOW | C-F C5.11 | PT | - E RHR HXRH | - |
| <u>LINE 2-RH-23 (FIG NO B-35)</u> | | | | | |
| 315670 | 2-RH-23-14S TEE TO PIPE | C-F C5.11 | PT | - R CHG PPRH | - |
| <u>LINE 2-RH-24 (FIG NO B-36)</u> | | | | | |
| 315785 | 2-RH-24-07F-PS PIPE SUPPORT | C-C C3.20 | PT | - VESTIBULE | - |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 39

EMERGENCY CORE COOLING

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|---|-----------------|---------|---|------------------------|--------------|
| NUMBER | IDENTIFICATION | SEC. XI | CATGY | NDE | |
| | | ITEM NO | METH | PROCEDURE | |
| ----- | | | | | |
| <u>LINE 2-RH-31 (FIG NO B-37 & B-3)</u> | | | | | |
| 315970 | 2-RH-31-14F | C-F | PT | 3378029 (8-SS-160-.81) | |
| | REDUCER TO PIPE | C5.21 | UT | I - - | |
| | | | | ANNULUS | |
| 316020 | 2-RH-31-19F | C-F | PT | 3378029 (8-SS-160-.81) | |
| | ELBOW TO VALVE | C5.21 | UT | I - - | |
| | | | | ANNULUS | |
| <u>LINE 2-RH-32 (FIG NO B-39)</u> | | | | | |
| 316040 | 2-RH-32-02S | C-F | PT | 3378029 (8-SS-160-.81) | |
| | PIPE TO ELBOW | C5.21 | UT | I - - | |
| | | | | ANNULUS | |
| <u>LINE 2-RH-33 (FIG NO B-40)</u> | | | | | |
| 316070 | 2-RH-33-02S | C-F | PT | | |
| | PIPE TO ELBOW | C5.11 | | I - - | |
| | | | | ANNULUS | |

DATE: 10/19/93

REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 40

CHEMICAL AND VOLUME CONTROL SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | | INSTRUCTIONS |
|--------------------------|----------------|--------------------------------------|---|--|--------------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | | |

LINE 2-CS-81 (FIG NO B-43)

| | | | | | |
|--------|------------------|-------|----|---|----------|
| 316390 | 2-CS-81-05F | C-F | PT | - | - |
| | PIPE TO STRAINER | C5.11 | | | |
| | | | | W | CHG PPRM |

10-10-10



10-10-10



DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 41

CONTAINMENT SPRAY SYSTEM

| SUMMARY NUMBER | EXAMINATION AREA IDENTIFICATION | ASME SEC. XI CATGY NDE | | PROCEDURE | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION | INSTRUCTIONS |
|------------------------------------|------------------------------------|------------------------------|----------|-----------|---|---|
| | | ITEM NO | METH | | | |
| <u>LINE 2-CTS-10 (FIG NO B-44)</u> | | | | | | |
| 316620 | 2-CTS-10-19S PIPE TO ELBOW | C-F C5.11 | PT | | - W CTS PPRH | |
| 316700 | 2-CTS-10-26S ELBOW TO PIPE | C-F C5.11 | PT UT | | 10-SS-40-.365-26-DCC - W CTS HXRM | 7.5% AUGMENTED UT REQUIREMENT. TO BE EXAMINED EACH INTERVAL. |
| <u>LINE 2-CTS-11 (FIG NO B-45)</u> | | | | | | |
| 316770 | 2-CTS-11-03S PIPE TO ELBOW | C-F C5.11 | PT UT | | 10-SS-40-.365-26-DCC - W CTS HXRM | 7.5% AUGMENTED UT REQUIREMENT. TO BE EXAMINED EACH INTERVAL. |
| <u>LINE 2-CTS-12 (FIG NO B-46)</u> | | | | | | |
| 317190 | 2-CTS-12-12S ELBOW TO PIPE | C-F C5.11 | PT | | - VESTIBULE | |
| <u>LINE 2-CTS-13 (FIG NO B-47)</u> | | | | | | |
| 317360 | 2-CTS-13-09S TEE TO ELBOW | C-F C5.11 | PT UT | | 10-SS-40-.365-26-DCC - E CTS PPRH | 7.5% AUGMENTED UT REQUIREMENT. TO BE EXAMINED EACH INTERVAL. |
| <u>LINE 2-CTS-14 (FIG NO B-48)</u> | | | | | | |
| 317790 | 2-CTS-14-14S PIPE TO ELBOW | C-F C5.11 | PT | | - E CTS HXRM | |
| <u>LINE 2-CTS-15 (FIG NO B-49)</u> | | | | | | |
| 317940 | 2-CTS-15-01F TEE TO PIPE | C-F C5.11 | PT | | - E CTS HXRM | |

DATE: 10/19/93

REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 42

CONTAINMENT SPRAY SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|--------------------------|----------------|-----------|---|-----------|--------------|
| NUMBER | IDENTIFICATION | CATGY NDE | ITEM NO METH | PROCEDURE | |
| | | LOCATION | | | |
| ----- | | | | | |

LINE 2-CTS-15 (FIG NO B-49)

| | | | | | |
|--------|---------------|-------|----|-----------|---|
| 318100 | 2-CTS-15-15F | C-F | PT | | |
| | ELBOW TO PIPE | C5.11 | | - | - |
| | | | | VESTIBULE | |

0 40 8 2 0



DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 43

FEEDWATER SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ | | INSTRUCTIONS | |
|---------------------------------------|------------------|---------|--------------------|-----------|----------------------|-----------------------|
| NUMBER | IDENTIFICATION | SEC. XI | CATGY | NDE | | SIZE-SCHEDULE-ACCESS/ |
| | | ITEM NO | METH | PROCEDURE | | LOCATION |
| <hr/> | | | | | | |
| <u>LINE 2-FW-75 (FIG NO B-55)</u> | | | | | | |
| 319380 | 2-FW-75-05S | C-F | HT | | 14-CS-80-.750-12-DCC | |
| | PIPE TO ELBOW | C5.21 | UT | | B - - | |
| | | | | | ANNULUS | |
| <u>LINE 2-FW-76 (FIG NO B-56)</u> | | | | | | |
| 319590 | 2-FW-76-11S | C-F | HT | | B - - | |
| | REDUCER TO ELBOW | C5.21 | UT | | CONT. L4 | |
| <u>LINE 2-FW-80 (FIG NO B-60)</u> | | | | | | |
| 320160 | 2-FW-80-06S | C-F | HT | | - - | |
| | ELBOW TO PIPE | C5.11 | | | | |
| W MS ENC | | | | | | |

DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 44

MAIN STEAM SYSTEM

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ | | INSTRUCTIONS |
|--------------------------|----------------|--------------------------------------|--------------------|-----------------------------------|--------------|
| NUMBER | IDENTIFICATION | SEC. XI CATGY NDE ITEM NO METH | PROCEDURE | SIZE-SCHEDULE-ACCESS/ LOCATION | |

LINE 2-HS-90 (FIG NO B-63)

| | | | | | |
|--------|-------------------------------------|-----|----|----------|---|
| 320640 | 2-HS-90-01S-PS | C-C | MT | - | - |
| | PIPE TO PENETRATION SEAL WELD C3.20 | | | E HS ENC | |

LINE 2-HS-92 (FIG NO B-65)

| | | | | | |
|--------|----------------|-------|----|----------|---|
| 321160 | 2-HS-92-09S | C-F | MT | - | - |
| | PIPE TO FLANGE | C5.11 | | W HS ENC | |

2000-01-01



DATE: 10/19/93
REVISION: 0

COOK NUCLEAR PLANT UNIT 2
INSERVICE INSPECTION SCHEDULE
OUTAGE 1 (1994), THIRD PERIOD, SECOND INTERVAL
CLASS 2 COMPONENTS

PAGE: 45

MAIN STEAM ISOLATION VALVE-LINE 2-MS-90 (FIGURES B

| SUMMARY EXAMINATION AREA | | ASME | CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ | | INSTRUCTIONS |
|--------------------------|----------------|---------------------------|---|----------|--------------|
| NUMBER | IDENTIFICATION | CATGY NDE ITEM NO METH | PROCEDURE | LOCATION | |
| <hr/> | | | | | |

PRESSURE RETAINING BOLTING (>2")

| | | | | | |
|--------|----------------|-------|----|--------------------|--|
| 322980 | MSIV-MRV-210 | C-D | UT | 2.75-S-8-CS-40-DCC | |
| | FLANGE BOLTING | C4.40 | | - | |
| | | | | E MS ENC | |