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 (Name) — Date 10/12/89

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A000416, 1-ACS-R924, HANGER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
HANGER 1-ACS-R924							
U-BOLT	ITT GRINNELL	N/A	N/A	ASP-1102	1977	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks UNIT 1 REPLACED MISSING U-BOLT ON SUPPORT 1-ACS-R924.
Applicable Manufacturer's Data Reports to be attached

REF. RFC-DC12-2497.

Ref. JO # A000416 File:ME-HGR-1-ACS-R924 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 11-6-90 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.

Inspector's Signature Commissions MCH0055, END NBI
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-24 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 (Name) — Date 11/26/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722611, 1-CS-296E, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by M.KITCHEL (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No: N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-CS-296E							
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS STUDS/NUTS WITH SS STUDS/NUTS ON VALVE
Applicable Manufacturer's Data Reports to be attached

1-CS-296E

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # 722611 File:ME-VAL-1-CS-296E ISI Class: 3

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 4-24-91 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-24 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 (Name) — Date 01/25/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A007892, 1-CS-298E, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 1-CS-298E							
DISC ASSY	CONVAL, INC.	N/A	N/A	ASP-12849	1990	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.

FORM NIS-2 (Back)

Remarks UNIT 1, REPLACED DISC ASSEMBLY IN VALVE 1-CS-298E.
Applicable Manufacturer's Data Reports to be attached

DISC ASSEMBLY PURCHASED PER P.O.02608-041-0X.

Ref. JO # A007892 File:ME-VAL-1-CS-298E 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 4-22-93 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.

Inspector's Signature Commissions Mich 0055, ENR NBT
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-22 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 (Name) — Date 10/30/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722640, 1-CS-299W, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by P.CHARETT (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-CS-299W							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS STUDS/NUTS WITH SS STUDS/NUTS ON VALVE
Applicable Manufacturer's Data Reports to be attached

1-CS-299W. REF. RFC-12-2718.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # 722640 File:ME-VAL-1-CS-299W 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 4-19-91 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.

Inspector's Signature Commissions MCL0055, EN&NIS
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-24 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 (Name) — Date 11/27/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 759436, 1-CS-308N, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-CS-308N							
STEM/PLUG	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 [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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED STEM/PLUG ASSEMBLY ON VALVE 1-CS-308N.
Applicable Manufacturer's Data Reports to be attached

STEM/PLUG ASSY. PURCHASED PER SPECIFICATION DCCPV8300CN AND

P.O.08382-041-8X.

Ref. JO # 759436 File:ME-VAL-1-CS-308N 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 4-22-93 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.

Commissions Mich 0055, En & N IE
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-22 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 (Name) — Date 11/27/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 759437, 1-CS-308S, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by R.KIGHT (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-CS-308S							
BONNET/ PLUG ASSY.	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED BONNET/PLUG ASSEMBLY ON VALVE 1-CS-308S.
Applicable Manufacturer's Data Reports to be attached

BONNET/PLUG ASSY. PURCHASED PER SPECIFICATION DCCPV8020CN AND

P.O.07946-041-4X.

Ref. JO # 759437 File:ME-VAL-1-CS-308S 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 4-24-91 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-24 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 (Name) — Date 11/28/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 723682, 1-CS-534, 4" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-CS-534							
STEM/PLUG	CONVAL, INC.	N/A	N/A	ASP-13070	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED STEM/PLUG ASSEMBLY ON VALVE 1-CS-534.
Applicable Manufacturer's Data Reports to be attached

STEM/PLUG ASSY. PURCHASED PER P.O.06846-041-0X.

Ref. JO # 723682 File:ME-VAL-1-CS-534 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.

Inspector's Signature Commissions Mich 0055, ENGINEI
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date May 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 (Name) — Date 12/18/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A003197, 1-CS-536, 4" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-CS-536							
DISC ASSY.	CONVAL, INC.	N/A	N/A	ASP-13108	1990	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.

FORM NIS-2 (Back)

Remarks UNIT 1, REPLACED DISC ASSEMBLY ON VALVE 1-CS-536.
Applicable Manufacturer's Data Reports to be attached

DISC ASSEMBLY PURCHASED PER SPECIFICATION DCCPV8320CN AND

P.O.00298-041-0X.

Ref. JO # A003197 File:ME-VAL-1-CS-536 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 4-21-93 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.

Commissions Mich 0055, End NEI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-21 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 (Name) — Date 11/28/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A007967, 1-CTS-130W, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by ROGERS (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 1-CTS-130W							
B/B STUDS	WALWORTH CO.	N/A	N/A	ASP-2005	1976	REPLCEMNT	NO
B/B NUTS	WALWORTH CO.	N/A	N/A	ASP-2005	1976	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED B/B STUDS/NUTS ON VALVE 1-CTS-130W
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPM8020CN AND

P.O.02416-821-1

Ref. JO # A007967 File:ME-VAL-1-CTS-130W ISI Class: 3

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 4-19-91 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-30 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 (Name) — Date 12/25/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A007334, 1-DCR-320, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WAUGH, JONES, JONES (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-DCR-320							
PLUG	HAMMEL-DAHL	N/A	N/A	ASP-12219	1990	REPLCEMNT	NO
B/B STUDS	CARDINAL	N/A	N/A	ASP-12751	1990	REPLCEMNT	NO
B/B NUTS	CARDINAL	N/A	N/A	ASP-12751	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED PLUG AND B/B STUDS/NUTS ON VALVE 1-DCR-320.
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER P.O.05518-041-0X.

PLUG PURCHASED PER SPEC. DCCPV702OCN AND P.O.01886-041-9X.

Ref. JO # A007334 File:ME-VAL-1-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 4-17-91 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 X Whitaxgough Commissions Mci 0055, EnI N'I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-30 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 (Name) — Date 12/08/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A019103, 1-FFI-230, FLOW INST. (Repair Org. P.O. No., Job No., etc)

3. Work Performed by SCALLY (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

4. Identification of System AUXILIARY 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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
FLOW INST. 1-FFI-230							
FLG. STUDS	TEXAS BOLT	N/A	N/A	ASP-11909	1989	REPLCEMNT	NO
FLANGES	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 [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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED FLANGE STUDS/NUTS AND REPAIRED PIPE AND
Applicable Manufacturer's Data Reports to be attached

FLANGE SURFACES BY WELDING AND GRINDING. WELDING PERFORMED PER

WPS'S 1.1 AND 10.4. STUDS/NUTS PURCHASED PER SPECIFICATION

DCCPV1050CN AND P.O.40399-042-9

Ref. JO # A019103 File:ME-VAL-1-FFI-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 11-29-90 to 3-21-91, 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-30 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 (Name) — Date 11/28/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A003767, 1-FW-118-1, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by ELLISON, JONES (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-FW-118-1							
B/B STUDS/NUTS	CARDINAL	N/A	N/A	ASP-13033	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED B/B STUDS/NUTS (4) ON VALVE 1-FW-118-1
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SA-193 GR. B7 AND SA-194 GR. 2H

AND P.O.08441-041-0X.

Ref. JO # A003767 File:ME-VAL-1-FW-118-1 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 4-24-91 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-30 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 (Name) — Date 09/19/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A003049, 1-FW-131-1, 4" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-FW-131-1							
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 [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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED STUDS/NUTS ON VALVE 1-FW-131-1.
Applicable Manufacturer's Data Reports to be attached

STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV1050CN AND

P.O.40399-042-9.

Ref. JO # A003049 File:ME-VAL-1-FW-131-1 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 4-22-93 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 Mutersbaugh Commissions Mich 0055, Ent N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-22 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 (Name) — Date 12/23/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A013127, 1-FW-132-1, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by ZOUCK (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

4. Identification of System FEEDWATER

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 1-FW-132-1	ATWOOD MORRELL	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPAIRED VALVE COVER. MACHINED TO REMOVE PITS FROM
Applicable Manufacturer's Data Reports to be attached

COVER OF VALVE 1-FW-132-1 (SEATING SURFACE)

Ref. JO # A013127 File:ME-VAL-1-FW-132-1 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, 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 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-13 1993

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 (Name) — Date 12/17/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-FW-S11, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by REESE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-FW-S11							
LOAD PIN	GRINNELL	N/A	N/A	ASP-10155	1988	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED LOAD PIN ON SNUBBER 1-FW-S11
Applicable Manufacturer's Data Reports to be attached

LOAD PIN PURCHASED PER SPECIFICATION DCCPV4020CN AND

P.O.44764-042-7X

Ref. JO # A008320 File:ME-VAL-1-FW-S11 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 4-4-91 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 Mutersbaugh Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-30 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 (Name) — Date 12/18/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-FW-S12, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by REESE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-FW-S12	GRINNELL	6138	N/A	N/A	1972	REPLACED	NO
SNUBBER	GRINNELL	31280	N/A	N/A	1978	REPLCEMNT	NO
ROD EYE	GRINNELL	N/A	N/A	ASP-12135	1989	REPLCEMNT	NO
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 [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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED SNUBBER, ROD EYE, AND LOAD PIN ON 1-FW-S12
Applicable Manufacturer's Data Reports to be attached

SNUBBER PURCHASED PER ASME SECTION III, 1974 EDITION, THRU SUMMER 1976 ADDENDA. ROD EYE AND LOAD PIN PURCHASED PER SPECIFICATION DCCPV4020CN.

Ref. JO # A008320 File:ME-VAL-1-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 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 4-15-91 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. Waterspaugh Commissions Mich 0055, ENI & NI I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-30 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 (Name) — Date 12/26/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-FW-S5, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by REESE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-FW-S5	GRINNELL	6143	N/A	N/A	1972	REPLACED	NO
SNUBBER	GRINNELL	31278	N/A	N/A	1976	REPLCEMNT	NO
ROD EYE	GRINNELL	N/A	N/A	ASP-12135	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED SNUBBER AND ROD EYE ON 1-FW-S5
Applicable Manufacturer's Data Reports to be attached

SNUBBER AND ROD EYE PURCHASED PER SPECIFICATION DCCPV402OCN

Ref. JO # A008320 File:ME-VAL-1-FW-S5 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 4/8/91 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 Mutersbaugh Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 12/20/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-GRC-S562, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by RHEU (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-GRC-S562							
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 [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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED LOAD PIN ON SNUBBER 1-GRC-S562
Applicable Manufacturer's Data Reports to be attached

LOAD PIN PURCHASED PER SPECIFICATION DCCPV4020CN

Ref. JO # A008320 File:ME-VAL-1-GRC-S562 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 4-4-91 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.

Inspector's Signature Commissions Mich 0055, End NBI
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 12/15/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-GRC-S582, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WALLACE, REESE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A — Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-GRC-S582							
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 [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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED LOAD PIN ON SNUBBER 1-GRC-S582
Applicable Manufacturer's Data Reports to be attached

LOAD PIN PURCHASED PER SPECIFICATION DCCPV4020CN

Ref. JO # A008320 File:ME-VAL-1-GRC-S582 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 4-4-91 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. Mettrapauh Commissions Mich 0055, ENGINEI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 09/28/89

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A000410, 1-GRH-L31, HANGER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WILLIAMS, BARINKA (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
HANGER 1-GRH-L31							
U-BOLT NUT	GRINNELL	N/A	N/A	ASP-1102	1977	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED U-BOLT NUT ON HANGER 1-GRH-L31
Applicable Manufacturer's Data Reports to be attached

REF. RFC-DD12-2427

Ref. JO # A000410 File:PS-HGR-1-GRH-L31 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 8-14-90 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.

Inspector's Signature Commissions Mich 0055, End N&T
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 1993

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 (Name) — Date 10/12/89

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A000416, 1-GRH-L33, HANGER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by LAYMAN, MAGGARD, RICE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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)
HANGER 1-GRH-L33							
U-BOLT NUT	GRINNELL	N/A	N/A	ASP-1102	1977	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED U-BOLT NUT ON HANGER 1-GRH-L33
Applicable Manufacturer's Data Reports to be attached

REF. RFC-DD12-2427

Ref. JO # A000416 File:PS-HGR-1-GRH-L33 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 11-6-90 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 Montgomery Commissions Mich 0055, Ent N/E
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 1993

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 (Name) — Date 12/07/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-GRH-S7A, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by REESE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-GRH-S7A	GRINNELL	8937	N/A	N/A	1972	REPLACED	NO
SNUBBER	GRINNELL	31267	N/A	ASP-11707	1976	REPLCEMNT	NO
ROD EYE	GRINNELL	N/A	N/A	ASP-11382	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED SNUBBER AND ROD EYE AT 1-GRH-S7A
Applicable Manufacturer's Data Reports to be attached

SNUBBER AND ROD EYE PURCHASED PER SPECIFICATION DCCPV4020CN

Ref. JO # A008320 File:ME-VAL-1-GRH-S7A 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 4-15-91 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 1993

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 (Name) — Date 12/15/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-GSI-S575, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by REESE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-GSI-S575							
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 [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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED LOAD PIN ON SNUBBER 1-GSI-S575
Applicable Manufacturer's Data Reports to be attached

LOAD PIN PURCHASED PER SPECIFICATION DCCPV4020CN

Ref. JO # A008320 File:ME-VAL-1-GSI-S575 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 4-4-91 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 Matsuzawa Commissions Mich 0053, End NSI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 1993

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 (Name) — Date 12/15/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-GSI-S707, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WALLACE (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-GSI-S707							
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 [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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED LOAD PIN ON SNUBBER 1-GSI-S707
Applicable Manufacturer's Data Reports to be attached

LOAD PIN PURCHASED PER SPECIFICATION DCCPV4020CN

Ref. JO # A008320 File:ME-VAL-1-GSI-S707 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 4-4-91 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 Mutangasingh Commissions MICH 0055, ENDNST
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 1993

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 (Name) — Date 12/05/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722635, 1-ICM-305, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WAUGH, HALL, ANTHONY (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-ICM-305							
B/B STUDS	CARDINAL	N/A	N/A	ASP-12988	1990	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-ICM-305. REF. RFC-12-2718

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # 722635 File:ME-VAL-1-ICM-305 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 4-17-91 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.

Inspector's Signature Commissions Mich 0055, ENI NBI
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 1993

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 (Name) — Date 12/05/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722636, 1-ICM-306, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WAUGH, ANTHONY (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-ICM-306							
B/B STUDS	CARDINAL	N/A	N/A	ASP-12988	1990	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-ICM-306. REF. RFC-12-2718

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # 722636 File:ME-VAL-1-ICM-306 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 4-24-91 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.

Inspector's Signature Commissions Mich. 0055, Eng. & NB
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/26/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722654, 1-ICM-311, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by FLORY, KIGHT, RUSSELL (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-ICM-311							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1990	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-ICM-311. STUDS AND NUTS PURCHASED PER SPECIFICATION

DCCPV105OCN AND P.O.06117-041-8X.

Ref. JO # 722654 File:ME-VAL-1-ICM-311 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 4-24-91 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.

Inspector's Signature Commissions Mich 0055, ENDNST
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/28/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722655, 1-ICM-321, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by JONES, VERN (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-ICM-321							
B/B STUDS	CARDINAL	N/A	N/A	ASP-10636	1988	REPLCEMNT	NO
B/B STUDS	HDW. SPEC. CO	N/A	N/A	ASP-10388	1988	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-9340	1986	REPLCEMNT	NO
B/B NUTS	CARDINAL	N/A	N/A	ASP-10636	1988	REPLCMNT	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-ICM-321. REF. RFC-12-2718

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # 722655 File:ME-VAL-1-ICM-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, 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 4-19-91 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 Winterbaugh Commissions Mich 0055, End N'T
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/27/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722631, 1-IMO-110, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by BRINKS, SULAK, WILLIAMS (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-IMO-110							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-110. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105OCN AND P.O.06117-041-8X

Ref. JO # 722631 File:ME-VAL-1-IMO-110 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 4-17-91 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 K Matuszewski Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 12/01/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722632, 1-IMO-120, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by IMLER, RUSSEL, CHERETTI (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 1-IMO-120							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-120. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105QCN AND P.O.06117-041-8X

Ref. JO # 722632 File:ME-VAL-1-IMO-120 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 4-17-91 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.

W R Mutosprough Commissions Mich 0065, End N&T
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/18/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722633, 1-IMO-130, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by SCALLY (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-IMO-130							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-130. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV1050CN AND P.O.06117-041-8X

Ref. JO # 722633 File:ME-VAL-1-IMO-130 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 4-19-91 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 Mutersbaugh Commissions Mich 0055, End NBI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/30/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722634, 1-IMO-140, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by BRINKS, SULAK, WILLIAMS (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-IMO-140							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-140. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105OCN AND P.O.06117-041-8X

Ref. JO # 722634 File:ME-VAL-1-IMO-140 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 4-17-91 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 Mutterspaugh Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/26/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A009554, 1-IMO-204, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by ZOUCK (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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 1-IMO-204							
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	CARDINAL	N/A	N/A	ASP-12761	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-204. REF. RFC-12-2718. STUDS PURCHASED PER SPEC.

DCCPV1050CN ANDP.O.03535-041-9X. NUTS PURCHASED PER SA-194 GR.8F

AND P.O.06194-041-0X.

Ref. JO # A009554 File:ME-VAL-1-IMO-204 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 4-17-91 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 Mutterspaugh Commissions Mich 0055, ENDL N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/24/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722647, 1-IMO-310, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by HURD, CHARETTE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-IMO-310							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-310. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV1050CN AND P.O.06117-041-8X

Ref. JO # 722647 File:ME-VAL-1-IMO-310 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 4-19-91 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 Mutersbaugh Commissions Mich 0055, Eng & N/I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 12/03/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722649, 1-IMO-314, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by EMLER, McKAY, GAISER (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-IMO-314							
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B 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 [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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks. Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-314. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV1050CN.

Ref. JO # 722649 File:ME-VAL-1-IMO-314 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 4-13-91 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 Mitsopoulos Commissions Mich 0055 ENG N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/28/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722648, 1-IMO-320, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by ROGERS (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 1-IMO-320							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-320. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV1050CN AND P.O.06117-041-8X

Ref. JO # 722648 File:ME-VAL-1-IMO-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 4-18-91 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 K Mutersbaugh Commissions Mich 0055, EnclNBI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/27/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722650, 1-IMO-324, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by HADSELL (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-IMO-324							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-324. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105QCN AND P.O.06117-041-8X

Ref. JO # 722650 File:ME-VAL-1-IMO-324 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 4-17-91 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 Mutersbaugh Commissions Mich 0055, EN&NI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/27/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722652, 1-IMO-350, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by RUSSEL (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-IMO-350							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-IMO-350. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105OCN AND P.O.06117-041-8X

Ref. JO # 722652 File:ME-VAL-1-IMO-350 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 4-17-91 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 Mutersbaugh Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 19 91

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 (Name) — Date 1/23/91

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A50992, 1-MRV-220, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by HESS, KRIGER, BURKE (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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-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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-MRV-220	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-8391	1984	REPLCEMNT	NO
B/B NUTS	A & M	N/A	N/A	ASP-12284	1990	REPLCMNT	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, 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 1-MRV-220

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV8030CN

Ref. JO # A50992 File:ME-VAL-1-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 10-28-90 to 12-1-90, 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 Mutispaugh Commissions MICH 0055, ENG & NFI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 02/12/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A010718, 1-MRV-221, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-MRV-221							
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 [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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED PLUG ON VALVE 1-MRV-221.
Applicable Manufacturer's Data Reports to be attached

PLUG PURCHASED PER SPEC. DCCPV702OCN AND P.O.02316-041-9X.

Ref. JO # A010718 File:ME-VAL-1-MRV-221 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 4-22-93 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-22 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 (Name) — Date 11/20/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A016007, 1-MRV-222, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

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 1-MRV-222							
PLUG	FISHER CNTRLS	N/A	N/A	ASP-12622	1990	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED PLUG IN VALVE 1-MRV-222.
Applicable Manufacturer's Data Reports to be attached

DISC PURCHASED PER SPECIFICATION DCCPV702OCN AND

P.O.02426-041-0X.

Ref. JO # A016007 File:ME-VAL-1-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, 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 4-22-93 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 K Waterangh Commissions Mich 0055, End N&T
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-22 1993

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 04/25/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A016302, 1-MRV-223, 6" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-MRV-223							
PLUG	FISHER CNTRLS	N/A	N/A	ASP-9560	1987	REPLCEMNT	NO
STUDS	CARDINAL	N/A	N/A	ASP-11061	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED PLUG AND B/B STUDS ON VALVE 1-MRV-223
Applicable Manufacturer's Data Reports to be attached

PLUG PURCHASED PER SPEC. DCCPV7020CN AND P.O.04029-041-6X.

STUDS PURCHASED PER SPEC. DCCPV1050CN AND P.O.01334-041-9X.

Ref. JO # A016302 File:ME-VAL-1-MRV-223 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 5/7/90 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.

Inspector's Signature Commissions Mich 0055, EN & NB
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-22 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 (Name) — Date 01/23/91

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A50993, 1-MRV-230, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by HESS, KRIGER, BURKE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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-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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-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	1984	REPLCMNT	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, 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 1-MRV-230

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV8030CN

Ref. JO # A50993 File:ME-VAL-1-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 10-28-90 to 12-1-90, 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, Eng NDE
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 3-31 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 (Name) — Date 11/21/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A016008, 1-MRV-231, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

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 1-MRV-231							
PLUG	FISHER CNTRLS	N/A	N/A	ASP-12623	1990	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.

FORM NIS-2 (Back)

Remarks UNIT 1, REPLACED PLUG IN VALVE 1-MRV-231.
Applicable Manufacturer's Data Reports to be attached

DISC PURCHASED PER SPECIFICATION DCCPV7020CN AND

P.O.01429-041-0X.

Ref. JO # A016008 File:ME-VAL-1-MRV-231 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 4-20-93 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-20 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 (Name) — Date 11/24/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A018371, 1-MRV-232, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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

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 1-MRV-232							
PLUG	FISHER CNTRLS	N/A	N/A	ASP-12622	1990	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED PLUG IN VALVE 1-MRV-232.
Applicable Manufacturer's Data Reports to be attached

DISC PURCHASED PER SPECIFICATION DCCPV702OCN AND

P.O.02426-041-0X.

Ref. JO # A018371 File:ME-VAL-1-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 3-15, 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 4-22-93 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-22 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 (Name) — Date 1/11/91

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A41258, 1-MRV-241, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by JONES (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-MRV-241							
B/B STUDS	CARDINAL	N/A	N/A	ASP-13162	1990	REPLCEMNT	NO
B/B NUTS	CARDINAL	N/A	N/A	ASP-13162	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED B/B STUDS/NUTS ON VALVE 1-MRV-241
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SA-193 GR. B7 AND SA-194 GR. 2H

AND P.O.08418-041-0X

Ref. JO # A41258 File:ME-VAL-1-MRV-241 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 4-17-91 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 Mutersbaugh Commissions Mich 0055, ENI & NEI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 1993

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 11/28/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A016010, 1-MRV-242, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

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 1-MRV-242							
PLUG	FISHER CNTRLS	N/A	N/A	ASP-12622	1990	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED PLUG IN VALVE 1-MRV-242.
Applicable Manufacturer's Data Reports to be attached

DISC PURCHASED PER SPECIFICATION DCCPV702QCN AND

P.O.02426-041-0X.

Ref. JO # A016010 File:ME-VAL-1-MRV-242 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 4-22-93 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.K. Mutarowski Commissions Mich 0055, Eng & NBI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-22 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 (Name) — Date 01/18/91

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A37447, 1-MS-135-3, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by BARINKA, FLORY, SMITH (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-MS-135-3	HANCOCK	N/A	N/A	N/A	N/A	REPLACED	NO
VALVE	VOGT MACHINE	N/A	N/A	ASP-11649	1987	REPLCEMNT	NO
2" SCH. 80 CS PIPE	RADNOR ALLOYS	N/A	N/A	ASP-13174	1989	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED VALVE AND 2" CS SCH 80 PIPE. REF. 12-MM-22.94
Applicable Manufacturer's Data Reports to be attached

WELDED PER WPS 1.1. VALVE PURCHASED PER SPECIFICATION

DCCPV8300CN. PIPE PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # A37447 File:ME-VAL-1-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 4-18-91 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.K. Mutersbaugh Commissions Mich 0055, ENDNSI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 1993

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 (Name) — Date 12/22/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-MSS-1, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by REESE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-MSS-1	GRINNELL	6318	N/A	N/A	1972	REPLACED	NO
SNUBBER	GRINNELL	18126	N/A	ASP-11956	N/A	REPLCEMNT	NO
ROD EYE	GRINNELL	N/A	N/A	ASP-13187	1988	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED SNUBBER AND ROD EYE ON 1-MSS-1
Applicable Manufacturer's Data Reports to be attached

SNUBBER PURCHASED PER ORIGINAL DESIGN SPECIFICATION. ROD EYE DEDICATED PER DEDICATION PLAN DCCPV12DP051, REV. 3

Ref. JO # A008320 File:ME-VAL-1-MSS-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, 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 4-15-91 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 X Mutersbaugh Commissions Mich 0055, End N/I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 1993

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 (Name) — Date 12/11/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-MSS-5, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WALLACE (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-MSS-5							
LOAD PIN	GRINNELL	N/A	N/A	ASP-10155	1988	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED LOAD PIN ON SNUBBER 1-MSS-5
Applicable Manufacturer's Data Reports to be attached

LOAD PIN PURCHASED PER SPECIFICATION DCCPV4020CN AND

P.O.44764-042-7X

Ref. JO # A008320 File:ME-VAL-1-MSS-5 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 4-15-91 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 Mutersbaugh Commissions Mich 0055, Eng & NI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 12/26/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A008320, 1-MSS-6, SNUBBER (Repair Org. P.O. No., Job No., etc)

3. Work Performed by REESE (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
SNUBBER 1-MSS-6	GRINNELL	6314	N/A	N/A	1972	REPLACED	NO
SNUBBER	GRINNELL	30943	N/A	N/A	1988	REPLCEMNT	NO
ROD EYE	GRINNELL	N/A	N/A	ASP-13180	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED SNUBBER AND ROD EYE ON 1-MSS-6
Applicable Manufacturer's Data Reports to be attached

SNUBBER PURCHASED PER DCCPV4020CN, ROD EYE DEDICATED PER DEDICATION PLAN DCCPV12DP051 AND P.O.72610-040-8

Ref. JO # A008320 File:ME-VAL-1-MSS-6 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.Pisansky, 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 4-9-91 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.X. Mutersbaugh Commissions Mich 0055, EN & N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 1993

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 (Name) — Date 12/03/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A010639, 1-NRV-152, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by BELTZ (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-NRV-152							
PLUG	DRESSER IND.	N/A	N/A	ASP-11539	1989	REPLCEMNT	NO
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	TEXAS BOLT	N/A	N/A	ASP-3855	1981	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED PLUG AND B/B STUDS/NUTS ON VALVE 1-NRV-152.
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN.

PLUG PURCHASED PER SPEC. DCCPV7020CN AND P.O.07965-041-8.

Ref. JO # A010639 File:ME-VAL-1-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 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 Mutersbaugh Commissions Mich 0055, EnclN&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-13 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 (Name) — Date 11/21/90 AND 01/08/91

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A16562, 1-NRV-164, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-NRV-164 DISC	COPES VULCAN	N/A	N/A	ASP-12164	1987	REPLCEMNT	NO
B/B STUDS	TEXAS BOLT	N/A	N/A	ASP-6569	1984	REPLCEMNT	NO
B/B STUDS	HDW. SPEC. CO	N/A	N/A	ASP-9611 ASP-10347	1986 1988	REPLCEMNT REPLCEMNT	NO NO
B/B NUTS	TEXAS BOLT	N/A	N/A	ASP-6569	1983	REPLCEMNT	NO
B/B NUTS	HDW. SPEC.CO	N/A	N/A	ASP-10355	1988	REPLCMNT	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED DISC AND B/B STUDS/NUTS ON VALVE 1-NRV-164.
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV8020CN. DISC

PURCHASED PER SPEC. DCCPV7020CN AND P.O.06471-041-6X,REF.ASP-9548

Ref. JO # A16562 File:ME-VAL-1-NRV-164 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.

Commissions Mich 0055, END NI I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-13 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 (Name) — Date 10/09/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A32537, 1-PP-46-2, BAST PUMP (Repair Org. P.O. No., Job No., etc)

3. Work Performed by CRAMPTON, GUZMAN, REESE (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
BAST PUMP 1-PP-46-2							
INLT. BOLT	TEXAS BOLT	N/A	N/A	ASP-10903	1988	REPLCEMNT	NO
INLT, NUTS	ITT ENG. VLV.	N/A	N/A	ASP-11085	1988	REPLCEMNT	NO
OTLT. BOLT	TEXAS BOLT	N/A	N/A	ASP-10818	1988	REPLCEMNT	NO
OTLT. NUTS	CARDINAL	N/A	N/A	ASP-10614	1988	REPLCMNT	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED INLET/OUTLET FLANGE BOLTING ON BORIC ACID
Applicable Manufacturer's Data Reports to be attached

STORAGE TRANSFER PUMP 1-PP-46-2

BOLTS AND NUTS PURCHASED PER SPECIFICATION DCCPV8380CN

Ref. JO # A32537 File:ME-VAL-1-PP-46-2 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 3-27-91 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 Matarazzo Commissions Mich 0055, EN&N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 11/28/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722628, 1-QCM-250, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MUNYON, BARINKA, HURD, COX (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-QCM-250							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-QCM-250. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105QCN AND P.O.06117-041-8X

Ref. JO # 722628 File:ME-VAL-1-QCM-250 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 4-17-91 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.K. Mutersbaugh Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 11/29/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722656, 1-QCM-350, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by LARSON, MADALE (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-QCM-350							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-QCM-350. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105QCN AND P.O.06117-041-8X

Ref. JO # 722656 File:ME-VAL-1-QCM-350 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 4-17-91 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 K Mutterspaugh Commissions Mich 0055, End NEI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 1993

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 11/05/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A016497, 1-QCR-301, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-QCR-301							
PLUG	COPES-VULCAN	N/A	N/A	ASP-12643	1990	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.

FORM NIS-2 (Back)

Remarks UNIT 1, REPLACED PLUG IN VALVE 1-OCR-301.
Applicable Manufacturer's Data Reports to be attached

PLUG PURCHASED PER ASME SECTION III, 1980 EDITION THRU

SUMMER 1980 ADDENDA AND P.O.00270-041-0X.

Ref. JO # A016497 File:ME-VAL-1-OCR-301 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 7-1-93 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.

Inspector's Signature Commissions Mich 0055, End N&T
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date July 8 1993

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 01/09/91

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 759721, 1-RC-111L4, 2" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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 1-RC-111L4							
STEM/PLUG	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 [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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED STEM/PLUG ASSEMBLY IN VALVE 1-RC-111L4.
Applicable Manufacturer's Data Reports to be attached

STEM/PLUG ASSY. PURCHASED PER SPECIFICATION DCCPV830QCN AND

P.O.08382-041-8X.

Ref. JO # 759721 File:ME-VAL-1-RC-111L4 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 4-19-93 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.

Inspector's Signature Commissions Mich 0055, 6ND NBC
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-19 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 (Name) — Date 11/21/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 759302, 1-RH-104E, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WAUGH (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-RH-104E							
B/B STUDS	TEXAS BOLT	N/A	N/A	ASP-11604	1989	REPLCEMNT	NO
B/B NUTS	TEXAS BOLT	N/A	N/A	ASP-11604	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED B/B STUDS/NUTS ON VALVE 1-RH-104E
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # 759302 File:ME-VAL-1-RH-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, 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 4-16-91 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 Mutersbaugh Commissions Mich 0055, End N/I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 1993

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 (Name) — Date 11/28/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722620, 1-RH-113E, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MUNYON, ELLISON, HALL (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-RH-113E							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11010	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-RH-113E. REF. RFC-12-2718.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105OCN

Ref. JO # 722620 File:ME-VAL-1-RH-113E 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 4-16-91 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 Metzgraugh Commissions Mich 0055, Endl N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 1993

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 (Name) — Date 01/06/91

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722621, 1-RH-113W, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by ANTHONY, DEAN, HALL (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-RH-113W							
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS B/B STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-RH-113W. REF. RFC-12-2718.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105OCN

Ref. JO # 722621 File:ME-VAL-1-RH-113W 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 4-19-91 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 Mutersbaugh Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 11/29/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722641, 1-RH-116E, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by HURD, CUSHAU (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-RH-116E							
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-RH-116E. REF. RFC-12-2718.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105OCN

Ref. JO # 722641 File:ME-VAL-1-RH-116E 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 3-25-91 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 Mutersbaugh Commissions Mich 0055, ENDS NBI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 11/27/91

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722642, 1-RH-116W, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by ELLISOR (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A — Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-RH-116W							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11010	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS B/B STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-RH-116W. REF. RFC-12-2718.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # 722642 File:ME-VAL-1-RH-116W 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 4-16-91 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 Mutterspaugh Commissions Mich 0055, EN & N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 01/07/91

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722643, 1-RH-128E, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MADALE, FLORY, ANTHONY (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-RH-128E							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-RH-128E. REF. RFC-12-2718.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # 722643 File:ME-VAL-1-RH-128E 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 4-16-91 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 K Mutzenbaugh Commissions Mich 0055, ENI N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 11/23/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722644, 1-RH-128W, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by IMLER, LUTHER (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 1-RH-128W							
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-RH-128W. REF. RFC-12-2718.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105OCN

Ref. JO # 722644 File:ME-VAL-1-RH-128W 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 4-19-91 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 Mutaspaugh Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 11/01/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A14539, 1-RH-139, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WENDDLE, WASSEN, HALL (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-RH-139							
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	CARDINAL	N/A	N/A	ASP-12774	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED FLANGE BOLTING WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-RH-139.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # A14539 File:ME-VAL-1-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 4-16-91 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 Mutersbaugh Commissions Mich 0055, EN & N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 11/01/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A14539, 1-RH-140, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by HALL, WASSEN (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-RH-140							
B/B STUDS	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
B/B NUTS	CARDINAL	N/A	N/A	ASP-12774	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED FLANGE BOLTING WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-RH-140.

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN

Ref. JO # A14539 File:ME-VAL-1-RH-140 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 4-17-91 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 Mutersbaugh Commissions Mich 0055, EN8 N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-5 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 (Name) — Date 11/29/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A015346, 1-SF-153, 3" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

4. Identification of System SPENT FUEL

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 1-SF-153							
STEM & DISC ASSY.	WALWORTH CO.	N/A	N/A	ASP-3201	1980	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED STEM & DISC ASSEMBLY ON VALVE 1-SF-153.
Applicable Manufacturer's Data Reports to be attached

STEM & DISC ASSY. PURCHASED PER SPECIFICATION DCCPM8020CN AND

P.O.05963-251-9X.

Ref. JO # A015346 File:ME-VAL-1-SF-153 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 4-15-93 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.

Inspector's Signature Commissions Mich 0055, End N&E
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-15 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 (Name) — Date 11/27/90 AND 01/15/91

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A03701, 1-SI-148, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SI-148							
B/B STUDS	CARDINAL	N/A	N/A	ASP-13284	1991	REPLCEMNT	NO
B/B NUTS	TEXAS BOLT	N/A	N/A	ASP-3855	1981	REPLCEMNT	NO
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11379	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-SI-148. STUDS REPLACED SECOND TIME TO ALLOW HIGHER TORQUE. STUDS/NUTS PURCHASED PER SPECIFICATION DCCPV1050CN.

Ref. JO # A03701 File:ME-VAL-1-SI-148 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-13 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 (Name) — Date 11/25/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — 722629, 1-SI-151E, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WAUGH (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SI-151E							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-SI-151E. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105OCN AND P.O.06117-041-8X

Ref. JO # 722629 File:ME-VAL-1-SI-151E 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 3-25-91 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.

Commissions MICH 0055, ENG NB I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 1993

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 (Name) — Date 11/28/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722630, 1-SI-151W, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by WILLIAMS, WAUGH (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SI-151W							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-SI-151W. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105QCN AND P.O.06117-041-8X

Ref. JO # 722630 File:ME-VAL-1-SI-151W 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 4-16-91 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 Mutrospaugh Commissions MCL 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 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 (Name) — Date 11/28/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — 722638, 1-SI-152S, VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by SCALLY (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SI-152S							
B/B STUDS	NOVA MACHINE	N/A	N/A	ASP-11021	1989	REPLCEMNT	NO
B/B NUTS	NOVA MACHINE	N/A	N/A	ASP-11021	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED CS B/B STUDS/NUTS WITH SS STUDS/NUTS ON
Applicable Manufacturer's Data Reports to be attached

VALVE 1-SI-152S. REF. RFC-12-2718. STUDS AND NUTS PURCHASED PER

SPECIFICATION DCCPV105OCN AND P.O.06117-041-8X

Ref. JO # 722638 File:ME-VAL-1-SI-152S 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 4-12-91 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.

Inspector's Signature Commissions Mich 0055, End N.I
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 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 (Name) — Date 01/10/91

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A016144, 1-SI-185, 8" VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SI-185							
DISC	WALWORTH CO.	N/A	N/A	ASP-3201	1980	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED DISC IN VALVE 1-SI-185.
Applicable Manufacturer's Data Reports to be attached

DISC PURCHASED PER ASTM A-351 GR. CF8M AND P.O.05963-251-9X.

Ref. JO # A016144 File:ME-VAL-1-S1-185 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 4-15-93 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.

Inspector's Signature Commissions Mich 0055, End & N.B.
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-15 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 (Name) — Date 12/02/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A03793, 1-SV-105E, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by BOGGS, LAWLESS (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

Expiration Date N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-105E							
FLNG. BOLT	DUBOSE STEEL	N/A	N/A	ASP-12879	1990	REPLCEMNT	NO
FLNG. BOLT	NOVA MACHINE	N/A	N/A	ASP-11226	1989	REPLCEMNT	NO
FLNG. NUTS	DUBOSE STEEL	N/A	N/A	ASP-12879	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED INLET/OUTLET BOLTING ON VALVE 1-SV-105E.
Applicable Manufacturer's Data Reports to be attached

BOLTS AND NUTS PURCHASED PER SPECIFICATION DCCPV105OCN.

Ref. JO # A03793 File:ME-VAL-1-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, 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 4-12-91 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 Mutersbaugh Commissions Mich 0055, Eng & NBI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 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 (Name) — Date 12/20/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A37425, 1-SV-1A-1, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by CUSHALL (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-1A-1							
FLNG. BOLT	NO. CENT. HDW	N/A	N/A	ASP-3693	1980	REPLCEMNT	NO
FLNG. BOLT	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED OUTLET BOLTING ON VALVE 1-SV-1A-1.
Applicable Manufacturer's Data Reports to be attached

BOLTING PURCHASED PER SPECIFICATION DCCPV1050CN.

Ref. JO # A37425 File:ME-VAL-1-SV-1A-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, 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 4-12-91 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.

Inspector's Signature Commissions MICL 0055, ENDS N&I
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 1993

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 11/21/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A015327, 1-SV-1A-2, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-1A-2							
DISC	DRESSER IND.	N/A	N/A	ASP-11416	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED DISC IN VALVE 1-SV-1A-2.
Applicable Manufacturer's Data Reports to be attached

SEE ATTACHED CODE DATA REPORT.

Ref. JO # A015327 File:ME-VAL-1-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.

Commissions Mich 0055, EN & NBI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-13 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 (Name) — Date 12/20/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A37427, 1-SV-1B-1, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by CUSHALL (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-1B-1							
FLNG. BOLT	NO. CENT. HDW	N/A	N/A	ASP-3693	1980	REPLCEMNT	NO
FLNG. BOLT	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED OUTLET BOLTING ON VALVE 1-SV-1B-1.
Applicable Manufacturer's Data Reports to be attached

BOLTING PURCHASED PER SPECIFICATION DCCPV1050CN.

Ref. JO # A37427 File:ME-VAL-1-SV-1B-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 4-12-91 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 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 (Name) — Date 11/21/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A016490, 1-SV-1B-2, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-1B-2							
DISC	DRESSER IND.	N/A	N/A	ASP-11416	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED DISC IN VALVE 1-SV-1B-2.
Applicable Manufacturer's Data Reports to be attached

SEE ATTACHED CODE DATA REPORT.

Ref. JO # A016490 File:ME-VAL-1-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, 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.

Inspector's Signature Commissions Mich 0055, End N'T
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-13 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 (Name) — Date 11/21/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A015329, 1-SV-1B-3, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-1B-3							
DISC	DRESSER IND.	N/A	N/A	ASP-11416	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED DISC IN VALVE 1-SV-1B-3.
Applicable Manufacturer's Data Reports to be attached

SEE ATTACHED CODE DATA REPORT.

Ref. JO # A015329 File:ME-VAL-1-SV-1B-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.

Inspector's Signature Commissions Mich 0055, ENI&NEI
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-13 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 (Name) — Date 12/20/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A37426, 1-SV-2B-1, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by CUSHALL (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-2B-1							
FLNG. STUD	TEXAS BOLT	N/A	N/A	ASP-472	1976	REPLCEMNT	NO
FLNG. NUTS	TEXAS BOLT	N/A	N/A	ASP-472	1976	REPLCEMNT	NO
FLNG. BOLT	NO. CENT. HDW	N/A	N/A	ASP-3693	1980	REPLCEMNT	NO
FLG. NUTS	CARDINAL	N/A	N/A	ASP-11630	1989	REPLCMNT	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED INLET/OUTLET BOLTING ON VALVE 1-SV-2B-1.
Applicable Manufacturer's Data Reports to be attached

BOLTING STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV105OCN

Ref. JO # A37426 File:ME-VAL-1-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 4-12-91 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.

Inspector's Signature Commissions MI 6055, ENDNDE
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 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 (Name) — Date 11/24/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A015330, 1-SV-2B-1, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-2B-1							
DISC	DRESSER IND.	N/A	N/A	ASP-11485	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED DISC IN VALVE 1-SV-2B-1.
Applicable Manufacturer's Data Reports to be attached

SEE ATTACHED CODE DATA REPORT.

Ref. JO # A015330 File:ME-VAL-1-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 4-15-93 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.

Inspector's Signature Commissions Mich 0055, End N & T
National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-15, 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 (Name) — Date 12/20/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A015326, 1-SV-3-2, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-3-2	DRESSER IND.	BN-6321	N/A	N/A	1971	REPAIRED	YES

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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPAIRED VALVE 1-SV-3-2 BY LAPPING SEAT.
Applicable Manufacturer's Data Reports to be attached

SEE ATTACHED CODE DATA REPORT.

Ref. JO # A015326 File:ME-VAL-1-SV-3-2 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 4-15-93 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 Mutersbaugh Commissions Mich 0055, End N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-15 19 93

INDUSTRIAL VALVES | DRESSER

FORM NVR-1 REPORT OF REPAIR ☒, MODIFICATION ☐, OR REPLACEMENT ☐ OF NUCLEAR PRESSURE RELIEF DEVICE

1. Work performed by Dresser Industries, Inc., Dresser Valve & Controls Div., Industrial Valve Operations, Intersection U. S. Hwy. 167 & LA 3225 North, Alexandria, LA (Name of Repair Organization)
2. Owner (Name) Indiana Michigan Electric Co.
   (Address) D. C. Cook Nuclear, One Cook Place, Bridgman, MI 49106
3. Name, address and identification of nuclear power plant D. C. Cook Nuclear, One Cook Place Bridgman, MI 49106
4. a. Identification of repaired pressure relief device: Safety Valve
   b. Name of manufacturer: Dresser I. V. O.
   c. Identifying nos. 37078A (type) BN-6321 (mfr's. serial no.) N/A (Nat'l Bd. no) Steam (service) 6 (size) 1971 (year built)
5. Applicable edition of ASME Code Section XI under which repairs, modifications or replacements were made: (edition) 1983 (addenda) Summer 1984 (code case) N/A
6. Applicable edition of ASME Code Section III to which repairs modifications or replacements were made: (edition) 1968 (addenda) Summer 1969 (code case) N/A
7. Design responsibilities: See 1, Above
8. Opening pressure: 1085 PSIG Blowdown (if applicable): 3-9% Set pressure and blowdown adjustments made at (location) Wyly Laboratories, Huntsville, Alabama using (test media) Steam
9. Description of work: (include name and identifying no. of replacement parts) Disassembled, inspected, modified, reassembled and tested.

   Replaced cotter pins P/N 0089461

10. Remarks:

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and the repair, modification or replacement of the pressure relief device described above conforms to Section XI and Section III of the ASME Code and the National Board rules as defined in the publications NB-65 and NB-102, current editions.

Certificate of Authorization no. 124 to use the "VR" stamp expires 3/30 19 93.
Certificate of Authorization no. 45 to use the "NR" stamp expires 7/30 19 93.

Date 12-19, 1990. Signed Same as 1 above (repair organization) (authorized representative) Principal QA Engr (title)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of TN and employed by The Hartford Steam Boiler Inspection and Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on 12-19-90 19 and state that to the best of my knowledge and belief, this repair, modification or replacement has been made or constructed in accordance with Section XI and Section III of the ASME Code and the National Board rules as defined in the publications NB-65 and NB-102, current editions. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12-19 1990. E. J. Paulk (Authorized Inspector) Commissions NB 6714 TN 6-5-5 (Nat'l Bd No. (including endorsements) state or province & no.)

Attachment #1

Industrial Valves DRESSER

Industrial Valve Operation
Dresser Industries, Inc.
P.O. Box 1430 • Alexandria, Louisiana 71309-1430

QUALITY SYSTEMS DEPARTMENT
PHONE: 318/640-6112
FAX: 318/640-6325

CERTIFICATE OF COMPLIANCE/CONFORMANCE

1051.1.001.2431

Indiana Michigan Electric Co.
D. C. Cook Nuclear
One Cook Place
Bridgman MI 49106

Subject: Your Order No. 08720-040-0
Dresser Order No. 01-20708-0

Gentlemen:

We hereby certify that the following listed valve was disassembled, inspected, cleaned, assembled, and tested meeting all requirements of the above purchase-order.

We further certify that the work was performed at Wyle Laboratories in Huntsville, Alabama, in accordance with Dresser's Quality Assurance Manual for the Repair, Modification, and Replacement of ASME Code Section III Pressure Relief and Line Valves, Revision 3, dated 02/26/90, VR Certificate of Authorization Numbers 70, 95, 97 thru 118, and 120 thru 124, expiration date 03/30/93; and NR certificate of Authorization Numbers 45 and 47 thru 61, expiration date 03/30/93, and the work was performed in accordance with ASME Code Section XI, 1983 Edition, 1984 Summer Addenda, Class 2 Pressure Relief Valves.

Item No. 1 (1) 6" 3707RA
Serial No. BN-6321
Set @ 1085 PSIG

The following parts replaced were provided by Dresser Industries.

Item No. 1 (3) Cotter Pins P/N 0089461

Note: The remaining replacement parts were provided by Indiana Michigan.

Very truly yours,

John P. Watz
Principal Quality Assurance Engineer

BY: Billy E. Harris
Billy E. Harris
Documentation Specialist

12/19/20
Date

BEH:mm

12.68

Attachment #2

Pg 2 of 50

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 08/17/91

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A030566, 1-SV-3-2, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — 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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-3-2							
NUTS	CARDINAL	N/A	N/A	ASP-10827	1988	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED NUTS ON OUTLET FLANGE OF 1-SV-3-2
Applicable Manufacturer's Data Reports to be attached

NUTS PURCHASED PER SPECIFICATION DCCCE1490CN AND

P.O.08115-041-8X.

Ref. JO # A030566 File:ME-VAL-1-SV-3-2 ISI Class: 2

CERTIFICATE OF COMPLIANCE

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

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 4-15-93 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 Mutersbaugh Commissions Mich 0055, Ex 8 NBI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-15 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 (Name) — Date 11/30/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A04321, 1-SV-45A, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by COX, SERVERSON (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-45A	CROSBY	RV-2-8010C	N/A	N/A	1971	REPLACED	YES
VALVE	CROSBY	RV-1-8010B	N/A	ASP-13011	1990	REPLCEMNT	YES
FLNG. BOLT	NOVA MACHINE	N/A	N/A	ASP-12239	1990	REPLCEMNT	NO
FLNG. NUTS	NOVA MACHINE	N/A	N/A	ASP-13001	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED VALVE AND INLET BOLTING ON VALVE
Applicable Manufacturer's Data Reports to be attached

1-SV-45A.

Ref. JO # A04321 File:ME-VAL-1-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, 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 4-19-91 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 K Waterpaugh Commissions Mich 0055, End N,I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 1993

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 (Name) — Date 11/30/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A04322, 1-SV-45B, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by COX, SEVERSON (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-45B	CROSBY	N56499-01-0007	N/A	N/A	1984	REPLACED	YES
VALVE	CROSBY	N56499-00-0002	N/A	ASP-11571	1974	REPLCEMNT	YES
FLNG. BOLT	NOVA MACHINE	N/A	N/A	ASP-12239	1990	REPLCEMNT	NO
FLNG. NUTS	NOVA MACHINE	N/A	N/A	ASP-13001	1990	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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED VALVE AND INLET BOLTING ON VALVE
Applicable Manufacturer's Data Reports to be attached

1-SV-45B.

Ref. JO # A04322 File:ME-VAL-1-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, 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 5-17-93 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.

Commissions Mich 0055, EN & NI
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date May 17 1993

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 (Name) — Date 12/16/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A52147, 1-SV-45C, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by COX (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manuf. Serial No.	Nat. Board No.	Other Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-45C	CROSBY	RV-2-8010A	N/A	N/A	N/A	REPLACED	YES
VALVE	CROSBY	N56499-00-0003	N/A	ASP-11564	1974	REPLCEMNT	YES
INLT. FLNG	N/A	N/A	N/A	N/A	1990	REPAIRED	NO
STUDS	CARDINAL	N/A	N/A	ASP-12881	1990	REPLCEMNT	NO
NUTS	CARDINAL, NOVA	N/A N/A	N/A N/A	ASP-9828 ASP-13001	1987 1990	REPLCMNT REPLCMNT	NO 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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED VALVE AND INLET BOLTING AND MACHINED
Applicable Manufacturer's Data Reports to be attached

DAMAGED FLANGE SURFACE FOR 1-SV-45C.

Ref. JO # A52147 File:ME-VAL-1-SV-45C ISI Class: 1

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 3-16, 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 12/4/90 to 1/14/91, 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 Mitchenough Commissions Mich 0055, En & N&I
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 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 (Name) — Date 11/09/90

   P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

   One Cook Place, Bridgman, MI 49106 (Address) — A018682, 1-SV-51, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by MAINTENANCE DEPT. (Name) — Type Code Symbol Stamp N/A

   Same as #2 (Address) — Authorization No. N/A

   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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-51							
DISC	CROSBY	N/A	N/A	ASP-12373	1990	REPLCEMNT	NO
NOZZLE	CROSBY	N/A	N/A	ASP-12960	1990	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.

FORM NIS-2 (Back)

9. Remarks UNIT 1, REPLACED DISC AND NOZZLE IN VALVE 1-SV-51.
Applicable Manufacturer's Data Reports to be attached

DISC DEDICATED PER DEDICATION PLAN DCCPV12DP014, REV.1.

NOZZLE DEDICATED PER DEDICATION PLAN DCCPV12DP014, REV.3.

Ref. JO # A018682 File:ME-VAL-1-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 5-14, 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 5-17-93 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.

Commissions Mich 0055, End.N&T
Inspector's Signature National Board, State, Province, Endorsements

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 5-17 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 (Name) — Date 11/30/90

P.O. Box 60 Fort Wayne, IN 46801 (Address) — Sheet 1 of 2

2. Plant D.C. COOK NUCLEAR POWER PLANT (Name) — Unit 1

One Cook Place, Bridgman, MI 49106 (Address) — A03790, 1-SV-52, SAFETY VALVE (Repair Org. P.O. No., Job No., etc)

3. Work Performed by BOGGS (Name) — Type Code Symbol Stamp N/A

Same as #2 (Address) — Authorization No. N/A

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 Identi-fication	Year Built	Repaired Replaced or Replace-ment	ASME Code Stamped (Yes or No)
VALVE 1-SV-52							
FLNG. STUD	CARDINAL	N/A	N/A	ASP-11944	1989	REPLCEMNT	NO
FLNG. 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 [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.

AMMENDED
FORM NIS-2 (Back)

9. Remarks Unit 1, REPLACED FLANGE BOLTING ON VALVE 1-SV-52.
Applicable Manufacturer's Data Reports to be attached

STUDS AND NUTS PURCHASED PER SPECIFICATION DCCPV1050CN.

Ref. JO # A03790 File:ME-VAL-1-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, 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 4-16-91 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.

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

*FACTORY MUTUAL ENGINEERING ASSOCIATION

Date 4-6 1993

REACTOR PRESSURE VESSEL AND CLOSURE HEAD

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	CLOSURE HEAD MERIDIONAL WELDS (FIG NO A-2)					
001700	1-M-04 MERIDIONAL WELD AT 180 DEG.	B-A B1.22	UT	---	RV-2 I - - U. CONT.	ADDED EXAMINATION AREA FOR ADDITIONAL COVERAGE DUE TO LIMITATIONS ON MERIDIONAL WELD #1-M-01.
	CLOSURE HEAD TO FLANGE WELD (FIG NO A-2)					
002700	1-C-01 HEAD TO FLANGE	B-A B1.40	MT UT	--- ---	RV-2 I - - U. CONT.	EXAMINE 33% EACH DESIGNATED OUTAGE.
	CLOSURE STUDS					
005900	1-RPV-STUD 1 THROUGH 54	B-G-1 B6.30	MT UT	--- ---	3378037 (UNIT-1 RPV STUD) - - 650' AUX.	EXAMINE 33% (18 STUDS) EACH DESIGNATED OUTAGE.
	CLOSURE NUTS					
006000	1-RPV-NUT 1 THROUGH 54	B-G-1 B6.10	MT	--- ---	- - 650' AUX.	EXAMINE 33% (18) NUTS EACH DESIGNATED OUTAGE.
	CLOSURE WASHERS					
006200	1-RPV-WASHER 1 THROUGH 54	B-G-1 B6.50	VT-1 PT	--- ---	- - 650' AUX.	EXAMINE 33% (18 WASHERS) EACH DESIGNATED OUTAGE. PERFORM PT IN ACCORDANCE WITH REG. GUIDE 1.65.
	RPV FLANGE THREADS					
006300	1-RPV-FLANGE THREADS 1 THROUGH 54	B-G-1 B6.40	UT	---	3378037 (UNIT-1 RPV STUD) - - U. CONT.	EXAMINE 33% (18) OF THE FLANGE THREADS DURING EACH DESIGNATED OUTAGE.

PRESSURIZER

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	NOZZLE INSIDE RADIUS SECTIONS (FIG NO A-4)					
009900	4"-1-RC-10-IRS SPRAY NOZZLE	B-D B3.120	UT	---	IR-CSCL-24-DCC B - - PRESS. DH	
010500	14"-1-RC-5-IRS SURGE NOZZLE	B-D B3.120	UT	---	IR-CS-33-DCC B - - CONT. PRT	
	NOZZLE TO SAFE-END AND SAFE-END TO NOZZLE WELDS (FIG NO A-4)					
011300	1-PRZ-24 NOZZLE TO SAFE-END	B-F B5.40	PT UT	--- ---	3378027 (4-SS-120-.430) B - - PRESS. DH	AUGMENTED UT EXAMINATION REQUIRED USING 45 DEG. REFRACTED LONGITUDINAL WAVE PER NRC I.N. 90-30.
011400	1-PRZ-25 NOZZLE TO SAFE-END	B-F B5.40	PT UT	--- ---	3378032 (14-SS-160-1.40) B - - CONT. PRT	AUGMENTED UT EXAMINATION REQUIRED USING 45 DEG. REFRACTED LONGITUDINAL WAVE PER NRC I.N. 90-30.

STEAM GENERATOR NO. 13

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	NOZZLE INSIDE RADIUS SECTIONS (FIG NO A-5)					
014100	STM-13-I-IRS INLET NOZZLE INSIDE RADIUS SECTION	B-D B3.140	UT	---	IR-CSCL-24-DCC B - - CONT. L3	
014200	STM-13-O-IRS OUTLET NOZZLE INSIDE RADIUS SECTION	B-D B3.140	UT	---	IR-CSCL-24-DCC B - - CONT. L3	
	NOZZLE TO ELBOW AND ELBOW TO NOZZLE WELDS (FIG NO A-5)					
014300	STM-13-02 INLET NOZZLE TO ELBOW	B-F B5.70	PT UT	--- ---	3378033 (MAIN RPV COOLANT) B - - CONT. L3	
014350	STM-13-03 OUTLET NOZZLE TO ELBOW	B-F B5.70	PT UT	--- ---	3378033 (MAIN RPV COOLANT) B - - CONT. L3	

STEAM GENERATOR NO. 14

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	NOZZLE INSIDE RADIUS SECTIONS (FIG NO A-5)					
015000	STM-14-I-IRS INLET NOZZLE INSIDE RADIUS SECTION	B-D B3.140	UT	---	IR-CSCL-24-DCC B - - CONT. L4	
015100	STM-14-O-IRS OUTLET NOZZLE INSIDE RADIUS SECTION	B-D B3.140	UT	---	IR-CSCL-24-DCC B - - CONT. L4	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-2 (FIG NO A-7A)					
023800	1-RC-2-24N 3-IN. NOZZLE (BRANCH CONNECTION)	B-J B9.32	PT	---	B - - CONT. L2	
024200	1-RC-2-12FLU-I LONGITUDINAL SEAM	B-J B9.12	PT UT	--- ---	37-CCSS-X-3.0-9-DCC B - - CONT. L2	
024300	1-RC-2-12FLU-O LONGITUDINAL SEAM	B-J B9.12	PT UT	--- ---	37-CCSS-X-3.0-9-DCC B - - CONT. L2	
	LINE 1-RC-3 (FIG NO A-8B)					
027200	1-RC-3-20F PUMP TO PIPE	B-J B9.11	PT UT	--- ---	37-CCSS-X-3.0-9-DCC B - - CONT. L3	
	LINE 1-RC-4 (FIG NO A-9B)					
030500	1-RC-4-60N 1-1/2-IN. NOZZLE (BRANCH CONNECTION)	B-J B9.32	PT	---	B - - CONT. L4	
030600	1-RC-4-27S PIPE TO PIPE	B-J B9.11	PT UT	--- ---	37-CCSS-X-3.0-9-DCC B - - CONT. L4	
	LINE 1-RC-6 (FIG NO A-11A)					
032400	1-RC-6-12S-A BRANCH CONNECTION TO PIPE	B-J B9.21	PT	---	B - - PRESS. DH	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-6 (FIG NO A-11A)					
033600	1-RC-6-22F	B-J	PT	---		
	TEE TO PIPE	B9.21			B - -	
					PRESS. DH	
	LINE 1-RC-6 (FIG NO A-11B)					
034800	1-RC-6-34F	B-J	PT	---		
	VALVE TO PIPE	B9.21			B - -	
					PRESS. DH	
	LINE 1-RC-7 (FIG NO A-12)					
035300	1-RC-7-03S	B-J	PT	---	3378028 (6-SS-160-.71)	
	PIPE TO ELBOW	B9.11	UT	---	B - -	
					PRESS. DH	
035800	1-RC-7-09S	B-J	PT	---	3378028 (6-SS-160-.71)	
	PIPE TO FLANGE	B9.11	UT	---	B - -	
					PRESS. DH	
	LINE 1-RC-8 (FIG NO A-13)					
036100	1-RC-8-02S	B-J	PT	---	3378028 (6-SS-160-.71)	
	ELBOW TO PIPE	B9.11	UT	---	B - -	
					PRESS. DH	
036400	1-RC-8-05S	B-J	PT	---	3378028 (6-SS-160-.71)	
	PIPE TO ELBOW	B9.11	UT	---	B - -	
					PRESS. DH	
	LINE 1-RC-9 (FIG NO A-14)					
037500	1-RC-9-08S	B-J	PT	---	3378028 (6-SS-160-.71)	
	ELBOW TO PIPE	B9.11	UT	---	B - -	
					PRESS. DH	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-10 (FIG NO A-15)					
038400	1-RC-10-07S PIPE TO TEE	B-J B9.11	UT	--- ---	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.
038500	1-RC-10-08F TEE TO PIPE	B-J B9.11	UT	--- ---	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.
038600	1-RC-10-09F TEE TO PIPE	B-J B9.11	UT	--- ---	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.
038700	1-RC-10-10S PIPE TO ELBOW	B-J B9.11	UT	--- ---	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.
038800	1-RC-10-11S ELBOW TO PIPE	B-J B9.11	PT UT	--- ---	3378027 (4-SS-120-.430) B - - CONT. PRT	
042400	1-RC-10-35S ELBOW TO PIPE	B-J B9.11	PT UT	--- ---	3378027 (4-SS-120-.430) B - - PRESS. DH	
	LINE 1-RC-11 (FIG NO A-16)					
044000	1-RC-11-14F ELBOW TO VALVE	B-J B9.11	PT UT	--- ---	3378027 (4-SS-120-.430) B - - CONT. PRT	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-11 (FIG NO A-16)					
044900	1-RC-11-23S	B-J	PT	---	3378027 (4-SS-120-.430)	
	ELBOW TO PIPE	B9.11	UT	---	B - -	
					CONT. PRT	
	LINE 1-RC-12 (FIG NO A-17)					
046000	1-RC-12-15S	B-J	PT	---	3378027 (4-SS-120-.430)	
	PIPE TO ELBOW	B9.11	UT	---	B - -	
					CONT. PRT	
	LINE 1-RC-14 (FIG NO A-19A)					
051500	1-RC-14-13S	B-J	PT	---		
	PIPE TO FLANGE	B9.21			B - -	
					CONT. L2	
051550	1-RC-14-13S-FB	B-G-2	VT-1	---		
	FLANGE BOLTING	B7.50			B - -	
					CONT. L2	
051600	1-RC-14-16S	B-J	PT	---		
	FLANGE TO PIPE	B9.21			B - -	
					CONT. L2	
051900	1-RC-14-17S	B-J	PT	---		
	PIPE TO ELBOW	B9.21			B - -	
					CONT. L2	
052000	1-RC-14-18S	B-J	PT	---		
	ELBOW TO PIPE	B9.21			B - -	
					CONT. L2	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-15 (FIG NO A-20)					
053300	1-RC-15-01S-A PIPE TO PIPE	B-J B9.21	PT	---	B - - CONT. L3	
053400	1-RC-15-02S PIPE TO ELBOW	B-J B9.21	PT	---	B - - CONT. L3	
053500	1-RC-15-03S ELBOW TO PIPE	B-J B9.21	PT	---	B - - CONT. L3	
053900	1-RC-15-05F PIPE TO VALVE	B-J B9.21	PT	---	B - - CONT. L3	
054000	1-RC-15-06F VALVE TO PIPE	B-J B9.21	PT	---	B - - CONT. L3	
054750	1-RC-15-13S-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	---	B - - CONT. L3	
	LINE 1-RC-501 (FIG NO A-22)					
060800	1-RC-501-12F PIPE TO TEE	B-J B9.40	PT	---	B - - CONT. PRT	
	LINE 1-RC-506 (FIG NO A-25)					
068900	1-RC-506-16S PIPE TO TEE	B-J B9.40	PT	---	B - - CONT. L2	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-506 (FIG NO A-25)					
069000	1-RC-506-17S TEE TO REDUCER	B-J B9.40	PT	---	B - - CONT. L2	
069100	1-RC-506-18S TEE TO PIPE	B-J B9.40	PT	---	B - - CONT. L2	
069200	1-RC-506-19S PIPE TO MANIFOLD	B-J B9.40	PT	---	B - - CONT. L2	
069300	1-RC-506-20S MANIFOLD TO PIPE	B-J B9.40	PT	---	B - - CONT. L2	
069400	1-RC-506-21S PIPE TO ELBOW	B-J B9.40	PT	---	B - - CONT. L2	
069500	1-RC-506-22S ELBOW TO PIPE	B-J B9.40	PT	---	B - - CONT. L2	
	LINE 1-RC-507 (FIG NO A-26)					
071800	1-RC-507-06S CROSS TO PIPE	B-J B9.40	PT	---	B - - CONT. L2	
071900	1-RC-507-07S PIPE TO ELBOW	B-J B9.40	PT	---	B - - CONT. L2	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-507 (FIG NO A-26)					
072000	1-RC-507-08F ELBOW TO PIPE	B-J B9.40	PT	---	B - - CONT. L2	
072100	1-RC-507-09S PIPE TO VALVE	B-J B9.40	PT	---	B - - CONT. L2	
072200	1-RC-507-10S VALVE TO PIPE	B-J B9.40	PT	---	B - - CONT. L2	
073450	1-RC-507-21S-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	---	B - - CONT. L2	
	LINE 1-RC-508 (FIG NO A-27)					
076400	1-RC-508-17S PIPE TO ELBOW	B-J B9.40	PT	---	B - - CONT. L3	

BEACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-508 (FIG NO A-27)					
076500	1-RC-508-18S	B-J	PT	---		
	ELBOW TO PIPE	B9.40			B , - -	
					CONT. L3	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-508 (FIG NO A-27)					
076600	1-RC-508-19S PIPE TO TEE	B-J B9.40	PT	---	B - - CONT. L3	
077450	1-RC-508-27S-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	---	B - - CONT. L3	
077500	1-RC-508-28S TEE TO PIPE	B-J B9.40	PT	---	B - - CONT. L3	
077600	1-RC-508-29S PIPE TO MANIFOLD	B-J B9.40	PT	---	B - - CONT. L3	
	LINE 1-RC-509 (FIG NO A-28)					
080300	1-RC-509-23F PIPE TO TEE	B-J B9.40	PT	---	B - - CONT. L3	
080400	1-RC-509-24S TEE TO REDUCER	B-J B9.40	PT	---	B - - CONT. L3	
080500	1-RC-509-25S TEE TO PIPE	B-J B9.40	PT	---	B - - CONT. L3	
080600	1-RC-509-26S PIPE TO ELBOW	B-J B9.40	PT	---	B - - CONT. L3	

REACTOR COOLANT SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RC-509 (FIG NO A-28)					
080700	1-RC-509-27S ELBOW TO PIPE	B-J B9.40	PT	---	B - - CONT. L3	
080800	1-RC-509-28S PIPE TO FLANGE	B-J B9.40	PT	---	B - - CONT. L3	
080850	1-RC-509-28S-FB FLANGE BOLTING	B-G-2 B7.50	VT-1	---	B - - CONT. L3	

SAFETY INJECTION SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-21 (FIG NO A-31)					
090800	1-SI-21-39S	B-J	PT	---	3378029 (8-SS-140-.81)	
	TEE TO REDUCER	B9.11	UT	---	S - -	
					ANNULUS	
	LINE 1-SI-22 (FIG NO A-32)					
091300	1-SI-22-03S	B-J	PT	---	3378028 (6-SS-160-.71)	
	PIPE TO ELBOW	B9.11	UT	---	S - -	
					CONT. L2	
	LINE 1-SI-23 (FIG NO A-33)					
093200	1-SI-23-02F	B-J	PT	---	3378028 (6-SS-160-.71)	
	ELBOW TO ELBOW	B9.11	UT	---	S - -	
					ANNULUS	
093700	1-SI-23-07S	B-J	PT	---	3378028 (6-SS-160-.71)	
	ELBOW TO PIPE	B9.11	UT	---	S - -	
					CONT. L3	
	LINE 1-SI-25 (FIG NO A-34)					
096900	1-SI-25-34S	B-J	PT	---	3378028 (6-SS-160-.71)	
	REDUCER TO PIPE	B9.11	UT	---	S - -	
					ANNULUS	
097000	1-SI-25-35F	B-J	PT	---	3378028 (6-SS-160-.71)	
	PIPE TO ELBOW	B9.11	UT	---	S - -	
					ANNULUS	
	LINE 1-SI-27 (FIG NO A-36)					
099100	1-SI-27-06F	B-J	PT	---	3378028 (6-SS-160-.71)	
	PIPE TO ELBOW	B9.11	UT	---	S - -	
					CONT. L4	

SAFETY INJECTION SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-29 (FIG NO A-37)					
100900	1-SI-29-03S-HL HANGER LUG	B-K-1 B10.10	PT	---	B - - ANNULUS	100% UT NOT FEASIBLE DUE TO WELD CONFIGURATION.
101500	1-SI-29-09S PIPE TO ELBOW	B-J B9.11	PT UT	--- ---	3378030 (10-SS-140-1.0) B - - CONT. L1	
102000	1-SI-29-14F ELBOW TO PIPE	B-J B9.11	PT UT	--- ---	3378030 (10-SS-140-1.0) B - - CONT. L1	
103000	1-SI-29-26F ELBOW TO BRANCH CONNECTION	B-J B9.11	PT UT	--- ---	3378030 (10-SS-140-1.0) B - - CONT. L1	
	LINE 1-SI-31 (FIG NO A-38)					
103400	1-SI-31-02S TEE TO ELBOW	B-J B9.11	PT UT	--- ---	3378030 (10-SS-140-1.0) B - - ANNULUS	
104400	1-SI-31-11F ELBOW TO PIPE	B-J B9.11	PT UT	--- ---	3378030 (10-SS-140-1.0) B - - CONT. L2	
105100	1-SI-31-19S PIPE TO PIPE	B-J B9.11	PT UT	--- ---	3378030 (10-SS-140-1.0) B - - CONT. L2	
	LINE 1-SI-33 (FIG NO A-39)					
107700	1-SI-33-14S PIPE TO ELBOW	B-J B9.11	PT UT	--- ---	3378030 (10-SS-140-1.0) B - - CONT. L3	

SAFETY INJECTION SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-33 (FIG NO A-39)					
109000	1-SI-33-28S	B-J	PT	---	3378030 (10-SS-140-1.0)	
	REDUCER TO ELBOW	B9.11	UT	---	B - -	
					CONT. L3	
	LINE 1-SI-35 (FIG NO A-40)					
110300	1-SI-35-08S	B-J	PT	---	3378030 (10-SS-140-1.0)	
	PIPE TO ELBOW	B9.11	UT	---	B - -	
					CONT. L4	
112000	1-SI-35-23S	B-J	PT	---	3378030 (10-SS-140-1.0)	
	REDUCER TO TEE	B9.11	UT	---	B - -	
					CONT. L4	
112300	1-SI-35-26S	B-J	PT	---	3378028 (6-SS-160-.71)	
	ELBOW TO PIPE	B9.11	UT	---	B - -	
					CONT. L4	
	LINE 1-SI-545 (FIG NO A-41)					
112800	1-SI-545-28S	B-J	PT	---		
	PIPE TO VALVE	B9.40			- -	
					ANNULUS	
113400	1-SI-545-34S	B-J	PT	---		
	PIPE TO ELBOW	B9.40			- -	
					ANNULUS	
114400	1-SI-545-44S	B-J	PT	---		
	PIPE TO ELBOW	B9.40			B - -	
					CONT. L3	

SAFETY INJECTION SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-545 (FIG NO A-41A)					
115700	1-SI-545-57S VALVE TO PIPE	B-J B9.40	PT	---	B - - CONT. L3	
	LINE 1-SI-546 (FIG NO A-42)					
116700	1-SI-546-24F PIPE TO ELBOW	B-J B9.40	PT	---	- - ANNULUS	
118400	1-SI-546-39S ELBOW TO PIPE	B-J B9.40	PT	---	B - - CONT. L2	
119400	1-SI-546-47S ELBOW TO PIPE	B-J B9.40	PT	---	B - - CONT. L2	
	LINE 1-SI-548 (FIG NO A-43A)					
121200	1-SI-548-35F ELBOW TO PIPE	B-J B9.40	PT	---	S - - ANNULUS	
121800	1-SI-548-41F ELBOW TO PIPE	B-J B9.40	PT	---	B - - CONT. L1	
	LINE 1-SI-549 (FIG NO A-44A)					
125500	1-SI-549-53S-D PIPE TO ELBOW	B-J B9.40	PT	---	B - - CONT. L4	

SAFETY INJECTION SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-549 (FIG NO A-44A)					
126200	1-SI-549-58S	B-J	PT	---		
	PIPE TO VALVE	B9.40			B - -	
					CONT. L4	
126400	1-SI-549-60S	B-J	PT	---		
	PIPE TO ELBOW	B9.40			B - -	
					CONT. L4	

CHEMICAL AND VOLUME CONTROL SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-CS-92 (FIG NO A-45)					
127100	1-CS-92-23F PIPE TO VALVE	B-J B9.21	PT	---	B - - CONT. L4	
	LINE 1-CS-99 (FIG NO A-48)					
129500	1-CS-99-02S PIPE TO TEE	B-J B9.21	PT	---	I - - CONT. L4	
129600	1-CS-99-03F PIPE TO PIPE	B-J B9.21	PT	---	I - - CONT. L4	
	LINE 1-CS-780 (FIG NO A-56)					
140500	1-CS-780-06S PIPE TO ELBOW	B-J B9.40	PT	---	B - - REGEN HXRM	
141000	1-CS-780-11F ELBOW TO PIPE	B-J B9.40	PT	---	B - - REGEN HXRM	

RESIDUAL HEAT REMOVAL SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RH-27 (FIG NO A-57)					
143500	1-RH-27-13F	B-J	PT	---	3378029 (8-SS-140-.81)	
	PIPE TO TEE	B9.11	UT	---	B - -	
					ANNULUS	
	LINE 1-RH-28 (FIG NO A-58)					
143700	1-RH-28-01S-HL	B-K-1	PT	---		UT ON WELD NOT FEASIBLE DUE TO
	HANGER LUG	B10.10			B - -	WELD CONFIGURATION.
					CONT. L2	
145100	1-RH-28-13S	B-J	PT	---	3378032 (14-SS-160-1.40)	
	ELBOW TO PIPE	B9.11	UT	---	I - -	
					ANNULUS	

WASTE DISPOSAL SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-WD-640 (FIG NO A-60)					
146100	1-WD-640-02S PIPE TO VALVE	B-J B9.40	PT	---	I - - CONT. L1	
	LINE 1-WD-644 (FIG NO A-62)					
147000	1-WD-644-01F BRANCH CONNECTION TO PIPE	B-J B9.40	PT	---	I - - CONT. L3	
147300	1-WD-644-04S PIPE TO VALVE	B-J B9.40	PT	---	I - - CONT. L3	
	LINE 1-WD-651 (FIG NO A-63)					
147920	1-WD-651-02S PIPE TO VALVE	B-J B9.40	PT	---	I - - CONT. L4	

REACTOR COOLANT PUMP NO. 11

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	PUMP FLYWHEEL (FIG NO A-64)					
148600	FLYWHEEL (IN PLACE)	-- RG1.14	UT	IN PLACE	RC-FLYWHEEL-CS-31-DCC - - CONT. L1	UT OF BORE & KEYWAY.

REACTOR COOLANT PUMP NO. 12

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	PUMP FLYWHEEL (FIG NO A-64)					
149400	FLYWHEEL (IN PLACE)	-- RG1.14	UT	IN PLACE	RC-FLYWHEEL-CS-31-DCC - - CONT. L2	UT OF BORE & KEYWAYS.

REACTOR COOLANT PUMP NO. 13

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	SUPPORT COMPONENTS (FIG NO A-64)					
149700	SUPPORT LUG NO. 1	B-K-1 B10.20	PT	---	B - - CONT. L3	UT OF WELD NOT FEASIBLE DUE TO ATTENUATIVE PROPERTIES OF PUMP CASING MATERIAL.
149800	SUPPORT LUG NO. 2	B-K-1 B10.20	PT	---	B - - CONT. L3	UT OF WELD NOT FEASIBLE DUE TO ATTENUATIVE PROPERTIES OF PUMP CASING MATERIAL.
149900	SUPPORT LUG NO. 3	B-K-1 B10.20	PT	---	B - - CONT. L3	UT OF WELD NOT FEASIBLE DUE TO ATTENUATIVE PROPERTIES OF PUMP CASING MATERIAL.
	CIRCUMFERENTIAL WELDS (FIG NO A-64)					
150000	PUMP CASING WELD	B-L-1 B12.10	VT-1	---	B - - CONT. L3	CODE CASE N-481
	PUMP FLYWHEEL (FIG NO A-64)					
150200	FLYWHEEL (IN PLACE)	-- RG1.14	UT	IN PLACE	RC-FLYWHEEL-CS-31-DCC - - CONT. L3	UT OF EXPOSED SURFACES.

REACTOR COOLANT PUMP NO. 14

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	PUMP FLYWHEEL (FIG NO'A-64)					
151000	FLYWHEEL (IN PLACE)	-- RG1.14	UT	IN PLACE	RC-FLYWHEEL-CS-31-DCC - - CONT. L4	

VALVE PRESSURE RETAINING BOLING (2" AND LESS)

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-27 (FIG NO A-36)					
224600	SI-158-L4	B-G-2	VT-1	---		
	FLANGE BOLTING	B7.70			B - -	
					CONT. L4	
	LINE 1-SI-68 (FIG NO A-37)					
225750	SI-161-L1	B-G-2	VT-1	---		
	FLANGE BOLTING	B7.70			B - -	
					CONT. L1	
	LINE 1-RH-30 (FIG NO A-39)					
226300	RH-134	B-G-2	VT-1	---		
	FLANGE BOLTING	B7.70			I - -	
					ANNULUS	

STEAM GENERATOR NO. 12

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	NOZZLE TO SHELL AND SHELL TO NOZZLE WELDS (FIG NO B-2)					
300190	STM-12-MSN	C-B	MT	-	PL-3.0-CS-22-DCC	
	SHELL TO NOZZLE	C2.21	UT	-	B - -	
					CONT. L2	

STEAM GENERATOR NO. 14

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	CIRCUMFERENTIAL WELDS (FIG NO B-4)					
300360	STM-14-07	C-A	UT	-	PL-3.0-CS-22-DCC	
	SHELL TO TRANSITION CONE	C1.10			B - -	
					CONT. L4	
	NOZZLE TO SHELL AND SHELL TO NOZZLE WELDS (FIG NO B-4)					
300400	STM-14-FWN	C-B	MT	-	PL-3.0-CS-22-DCC	
	NOZZLE TO SHELL	C2.21	UT	-	B - -	
					CONT. L4	

REGENERATIVE HEAT EXCHANGER

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	CIRCUMFERENTIAL WELDS (FIG NO B-5)					
300520	RHE-1-26 CAP TO SHELL	C-A C1.20	UT	-	9.625-CCSS-X-1.0-2-DCC I - - REGEN HXRM	
300530	RHE-1-28 TUBE SHEET TO SHELL	C-A C1.30	UT	-	9.625-CCSS-X-1.0-2-DCC I - - REGEN HXRM	
300540	RHE-1-29 SHELL TO TUBE SHEET	C-A C1.30	UT	-	9.625-CCSS-X-1.0-2-DCC I - - REGEN HXRM	
300550	RHE-1-32 SHELL TO CAP	C-A C1.20	UT	-	9.625-CCSS-X-1.0-2-DCC I - - REGEN HXRM	

CHEMICAL AND VOLUME CONTROL TANK

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	INTEGRALLY WELDED VESSEL SUPPORTS (FIG NO B-6)					
300730	1-CVCT-2VS-10, 11, & 12	C-C C3.10	PT	-	- VCT RM	-

RHR HEAT EXCHANGER WEST

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	CIRCUMFERENTIAL WELDS (FIG NO B-8A)					
300830	W-RHRHEX-2 SHELL TO HEAD	C-A C1.20	UT	-	PL-SS-1.0-27-DCC I - - W RHR HXRM	

BORON INJECTION TANK

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	INTEGRALLY WELDED VESSEL SUPPORTS (FIG NO B-9)					
300940	1-BIT-VS-3	C-C C3.10	MT	-	- BIT RM	-

EMERGENCY CORE COOLING SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-2 (FIG NO B-10)					
301350	1-SI-2-31S ELBOW TO PIPE	C-F C5.11	PT	-	- - W CTS PPRM	
	LINE 1-SI-3 (FIG NO B-11)					
302080	1-SI-3-38F TEE TO TEE	C-F C5.11	PT	-	I - - W CTS PPRM	
	LINE 1-SI-4 (FIG NO B-12)					
302300	1-SI-4-15S PIPE TO ELBOW	C-F C5.11	PT	-	I - - VESTIBULE	
302350	1-SI-4-20S ELBOW TO PIPE	C-F C5.11	PT	-	I - - VESTIBULE	
	LINE 1-SI-21 (FIG NO B-14)					
302530	1-SI-21-02S ELBOW TO PIPE	C-F C5.21	PT UT	- -	3378029 (8-SS-140-.81) S - - ANNULUS	
302675	1-SI-21-16S-HL 1 THROUGH 4 HANGER LUG	C-C C3.20	PT	-	S - - ANNULUS	
302730	1-SI-21-22F ELBOW TO VALVE	C-F C5.21	PT UT	- -	3378029 (8-SS-140-.81) - - ANNULUS	

EMERGENCY CORE COOLING SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-24 (FIG NO B-15)					
302760	1-SI-24-03F	C-F	PT	-	3378029 (8-SS-140-.81)	
	ELBOW TO VALVE	C5.21	UT	-	S - -	
					U. CONT.	
	LINE 1-SI-25 (FIG NO B-16)					
303110	1-SI-25-18F	C-F	PT	-	3378029 (8-SS-140-.81)	
	PIPE TO ELBOW	C5.21	UT	-	S - -	
					ANNULUS	
	LINE 1-SI-32 (FIG NO B-19)					
303450	1-SI-32-02S	C-F	PT	-		
	PIPE TO ELBOW	C5.11			S - -	
					ANNULUS	
	LINE 1-SI-68 (FIG NO B-21)					
303970	1-SI-68-22F	C-F	PT	-	3378028 (6-SS-160-.71)	
	PIPE TO VALVE	C5.21	UT	-	B - -	
					CONT. L1	
	LINE 1-SI-69 (FIG NO B-22)					
304020	1-SI-69-04S	C-F	PT	-	3378028 (6-SS-160-.71)	
	ELBOW TO PIPE	C5.21	UT	-	S - -	
					ANNULUS	
	LINE 1-SI-70 (FIG NO B-23)					
304220	1-SI-70-04S	C-F	PT	-	3378029 (8-SS-140-.81)	
	ELBOW TO PIPE	C5.21	UT	-	S - -	
					ANNULUS	

EMERGENCY CORE COOLING SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-SI-70 (FIG NO B-23)					
304370	1-SI-70-18F	C-F	PT	-	3378028 (6-SS-160-.71)	
	PIPE TO ELBOW	C5.21	UT	-	B - -	
					CONT. L3	
	LINE 1-SI-71 (FIG NO B-24)					
304470	1-SI-71-06S	C-F	PT	-	3378029 (8-SS-140-.81)	
	ELBOW TO PIPE	C5.21	UT	-	- -	
					ANNULUS	
	LINE 1-RH-1 (FIG NO B-25)					
304870	1-RH-1-11S	C-F	PT	-		
	ELBOW TO PIPE	C5.11			B - -	
					E RHR PPRM	
304945	1-RH-1-16F-PS	C-C	PT	-		
	PIPE SUPPORT	C3.20			B - -	
					E CHG PPRM	
	LINE 1-RH-2 (FIG NO B-26)					
305170	1-RH-2-07S	C-F	PT	-		
	PIPE TO ELBOW	C5.11			B - -	
					W RHR PPRM	
305275	1-RH-2-15F-PS	C-C	PT	-		
	PIPE SUPPORT	C3.20			B - -	
					W CHG PPRM	
305310	1-RH-2-19S	C-F	PT	-		
	ELBOW TO TEE	C5.11			I - -	
					W RHR HXRM	

EMERGENCY CORE COOLING SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-RH-4 (FIG NO B-28)					
305760	1-RH-4-10S ELBOW TO PIPE	C-F C5.11	PT	-	B - - VESTIBULE	
	LINE 1-RH-5 (FIG NO B-29)					
305870	1-RH-5-02S REDUCER TO PIPE	C-F C5.11	PT	-	- - W RHR HXRM	
	LINE 1-RH-6 (FIG NO B-30)					
306460	1-RH-6-15S PIPE TO ELBOW	C-F C5.11	PT	-	S - - E RHR HXRM	
	LINE 1-RH-11 (FIG NO B-35)					
308100	1-RH-11-08S PIPE TO ELBOW	C-F C5.11	PT	-	- - VESTIBULE	

CHEMICAL AND VOLUME CONTROL SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-CS-35 (FIG NO B-40)					
308750	1-CS-35-26F	C-F	PT	-		
	PIPE TO VALVE	C5.11			-	-
					W CHG PPRM	

CONTAINMENT SPRAY PIPING

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-CTS-1 (FIG NO B-41)					
308810	1-CTS-1-01F PUMP TO REDUCER	C-F C5.11	PT	-	- - W CTS PPRM	
	LINE 1-CTS-4 (FIG NO B-44)					
309830	1-CTS-4-05S TEE TO ELBOW	C-F C5.11	PT UT	--- ---	10-SS-40-.365-26-DCC - - E CTS PPRM	7.5% AUGMENTED UT REQUIREMENT. TO BE EXAMINED EACH INTERVAL.
309980	1-CTS-4-18S PIPE TO ELBOW	C-F C5.11	PT	-	S - - E CTS PPRM	
	LINE 1-CTS-5 (FIG NO B-45)					
310290	1-CTS-5-16S FLANGE TO PIPE	C-F C5.11	PT	-	- - E CTS HXRM	
	LINE 1-CTS-6 (FIG NO B-46)					
310540	1-CTS-6-08S PIPE TO FLANGE	C-F C5.11	PT	-	S - - E CTS HXRM	

FEEDWATER SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-FW-10 (FIG NO B-47)					
310980	1-FW-10-22S-PS	C-C	MT	-		
	PIPE TO PENETRATION SEAL WELD	C3.20			I - -	
					W MS ENC	
	LINE 1-FW-12 (FIG NO B-49)					
311240	1-FW-12-05S	C-F	MT	---	14-CS-80-.750-12-DCC	
	ELBOW TO PIPE	C5.21	UT	---	B - -	
					MS ACC	
	LINE 1-FW-26 (FIG NO B-55)					
312420	1-FW-26-05S	C-F	MT	-		
	PIPE TO ELBOW	C5.11			S - -	
					596' PLAT	
	LINE 1-FW-27 (FIG NO B-56)					
312620	1-FW-27-03S	C-F	MT	-		
	PIPE TO TEE	C5.11			S - -	
					596' PLAT	

MAIN STEAM SYSTEM

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	LINE 1-MS-11 (FIG NO B-64)					
314360	1-MS-11-08S	C-F	MT	---	30-CS-X-1.00-38-DCC	
	PIPE TO CAP	C5.21	UT	---	I - -	
					W MS ENC	
	LINE 1-MS-192 (FIG NO B-70)					
315550	1-MS-192-05F	C-F	MT	-		
	PIPE TO ELBOW	C5.11			I - -	
					E MS ENC	

MAIN STEAM ISOLATION VALVE-LINE 1-MS-2

SUMMARY NUMBER	EXAMINATION AREA IDENTIFICATION	ASME SEC. XI CATGY ITEM NO	NDE METH	PROCEDURE	CALIBRATION BLOCK/ SIZE-SCHEDULE-ACCESS/ LOCATION	INSTRUCTIONS
	PRESSURE RETAINING BOLTING (>2") (FIG NO B-73,B-74)					
317090	MSIV-MRV-210	C-D	UT	-	2.75-S-8-CS-40-DCC	
	FLANGE BOLTING	C4.40			B - -	
					E MS ENC	