ATTACHMENT 1

Letter from M. L. Marchi (WPSC)

To

Document Control Desk (NRC)

Dated

September 10, 1997

FORM NIS-1 Owner's Report for Inservice Inspections

- OWNER WISCONSIN PUBLIC SERVICE CORPORATION, 700 NORTH ADAMS, P.O. BOX 19001, GREEN BAY, WISCONSIN 54307-9001
- 2. PLANT KEWAUNEE, N490 HIGHWAY 42, KEWAUNEE, WISCONSIN 54216-9510
- 3. PLANT UNIT NO. 1
- 4. OWNER CERTIFICATE OF AUTHORIZATION N/A
- 5. COMMERCIAL SERVICE DATE JUNE 16, 1974
- 6. NATIONAL BOARD NUMBER FOR UNIT N/A
- 7. COMPONENTS INSPECTED -

| COMPONENT OR APPURTENANCE | MANUFACTURER OR INSTALLER | MANUFACTURER OR INSTALLER SERIAL NO. | STATE OR PROVINCE NO. | NATIONAL BOARD NO. |
|---|------------------------------|--|-----------------------|-----------------------|
| Reactor Vessel RV | Combustion Engineering | CE692 02 | U11480 | 21010 |
| Pressurizer PZR | W estinghouse | 1151 | U11 40 2 | 68-23 |
| Steam Generator SG-1 A | Westinghouse | 1141 | U11 400 | 68-28 |
| Steam Generator SG-1B | Westinghouse | 1142 | U11 40 1 | 68-29 |
| Excess Letdown Heat Exchanger AHEL-1A | Sentry | 3996-5E | U11 407 | 364 |
| Excess Letdown Heat Exchanger AHEL-1B | Sentry | 3996-6E | U11408 | 365 |
| Class 1 Piping | Texas Pipe Bending | | | |
| Reactor Coolant Pump RCP-1A | Westinghouse | 1 A -1-618J871- G01 | | |
| Reactor Coolant Pump RCP-1B | Westinghouse | 1B-2-618J871- GO2 | | |
| Residual Heat Exchanger AHRS1-1A | Joseph Oat and Sons | 1817-1E | U110 4 6 | 344 |

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| COMPOMENT OR APPURTEMANCE | MANUFACTURER OR INSTALLER | MANUFACTURER OR INSTALLER SERIAL MO. | STATE OR PROVINCE NO. | NATIONAL BOARD NO. |
|---|------------------------------|--|----------------------------|-----------------------|
| Residual Heat Exchanger AHRS2-1B | Joseph Oat and Sons | 1817-1F | U11424 | 345 |
| Charging Pump Pulsation Dampener APD-1A | Greer Hydraulics | GNI-1848 | | |
| Charging Pump Pulsation Dampener APD-1B | Greer Hydraulics | GN1-1846 | | |
| Charging Pump Pulsation Dampener APD-1C | Greer Hydraulics | GNI-1847 | | ••• |
| Seal Water Heat Exchanger AHSW | Atlas | 734 | U11404 | 596 |
| Volume Control Tank VCT | Joseph Oat and Sons | 1787-1C | U11425 | 376 |
| Regenerative Heat Exchanger ARG | Joseph Oat and Sons | 1831-13 | U11409 U11410 U11411 | 413 414 415 |
| Letdown Heat Exchanger AHLD | Atlas | 1206 | U11405 | 1031 |
| Seal Water Injection Filter AFSI-1A | Commercial Filters | 101072 | | 1172 |

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| COMPONENT OR APPURTENAMCE | MANUFACTURER OR IMSTALLER | MANUFACTURER OR IMSTALLER SERIAL NO. | STATE OR PROVINCE NO. | NATIONAL BOARD MO. |
|--|------------------------------|--|-----------------------|-----------------------|
| Seal Water Injection Filter AFSI-1B | Commercial Filters | 101 073 | ••• | 1173 |
| Reactor Coolant Filter AFRC | AMF Cuno | 121 | | 2616 |
| Seal Water Filter AFSW | AMF Cuno | 123 | | 2618 |
| Class 2 Piping | Texas Pipe Bending | | | |
| Charging Pump APCH-1A | A jax Iron Works | 6578 | | |
| Charging Pump APCH-1B | Ajax Iron Works | 6576 | | |
| Charging Pump APCH-1C | Ajax Iron Works | 6577 | | |
| Charging Pump APCH-1A Suction Stabilizer | Greer Hydraulics | GH1-10234 | , | 568 |
| Charging Pump APCH-1B Suction Stablizer | Greer Hydraulics | GH1-10235 | | 569 |
| Charging Pump APCH-1C Suction Stablizer | Greer Hydraulics | GH1-10236 | | 570 |

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- 6. NATIONAL BOARD NUMBER FOR UNIT N/A
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| COMPONEMT OR APPURTENANCE | MANUFACTURER OR INSTALLER | MANUFACTURER OR INSTALLER SERIAL NO. | STATE OR PROVINCE NO. | NATIONAL BOARD NO. |
|--|--|--|-----------------------|-----------------------|
| Residual Heat Removal Pump APRH1-1A | Byron Jackson | 681N0277 | | |
| Residual Heat Removal Pump APRH2-1B | Byron Jackson | 681N0276 | | |
| Refueling Water Storage Tank | General American Transportation Company | C-8297/1969 | | |
| Diesel Generator AHDG-1A Cooling Water Exchangers (2) | Young Radiator | 2448568 & 2448557 | | |
| Diesel Generator AHDG-1B Cooling Water Exchangers (2) | Young Radiator | 2448569 & 2448588 | | |
| Boric Acid Filter AFBA | AMF Cuno | 122 | | 2617 |
| Boric A cid Transfer Pump APBT-1A | Gould Pumps | 792 A 191-1 | | |
| Boric Acid Transfer Pump APBT-1B | Gould Pumps | 792A191-2 | | |

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| COMPONENT OR <u>Appurtenance</u> | MANUFACTURER OR INSTALLER | MANUFACTURER OR INSTALLER SERIAL NO. | STATE OR PROVINCE NO. | NATIONAL BOARD NO. |
|--|------------------------------|--|-----------------------|-----------------------|
| Boric Acid Tank ATBA-1A | Joseph Oat and Sons | 1877-1A | | |
| Boric Acid Tank ATBA-1B | Joseph Oat and Sons | 1877-18 | | |
| Boric Acid Blender | Westinghouse | | | |
| Auxiliary Feedwater Pump APFM-1A Motor Driven | Pacific Pump | 46573 | | |
| Auxiliary Feedwater Pump APFM-1B Motor Driven | Pacific Pump | 46574 | | |
| Auxiliary Feedwater Pump APFT Turbine Driven | Pacific Pump | 46575 | | |
| Reactor Coolant Pump RCPC-1A Lube Oil Cooler | Senior | 1357901 | · ••• | - |
| Reactor Coolant Pump RCPC-1B Lube Oil Cooler | Perfex Corporation | 723701-2 | | 4015 |
| Class 3 Piping | Texas Pipe Bending | | | |

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|---|--|--|-----------------------|-----------------------|
| Containment Fan Cooler AHCF-1A | Joy Manufacturing and American Air Filter | GF14402 | | |
| Containment Fan Cooler AHCF-1B | Joy Manufacturing and American Air Filter | GF14399 | | |
| Containment Fan Cooler AHCF-1C | Joy Manufacturing and American Air Filter | GF14401 | | , |
| Containment Fan Cooler AHCF-1D | Joy Manufacturing and American Air Filter | GF14400 | | |
| Safety Injection Pump APSI-1A | Bingham Pump | 290696 | | |
| Safety Injection Pump APSI-1B | Bingham Pump | 290697 | | |
| Safety Injection Pump Lube Oil Cooler AHSC-1A | Thermxchanger | X10199A2 | | |
| Safety Injection Pump Lube Oil Cooler AHSC-1B | Thermxchanger | X10199A3 | | |

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|--|------------------------------|--|-----------------------|-----------------------|
| Safety Injection Pump Heat Exchangers (2) AHSC-1A | Borg Warner | 854030:854030 | | |
| Safety Injection Pump Heat Exchangers (2) AHSC-1 B | Borg Warner | 854030:854030 | | |
| Residual Heat Removal Pump AHRHRP-1A Shaft Seal Heat Exchanger | Borg Warner | 681N0276 | | |
| Residual Heat Removal Pump AHRHRP-1B Shaft Seal Heat Exchanger | Borg Warner | 681N0276 | | |
| Accumulator Tank ACC-1A | Wyatt | H -5 645-69 | U11397 | * |
| Accumulator Tank ACC-1B | Wyatt | H-5644-69 | U11398 | |
| Containment Spray Pump APCS-1A | Ingersoll Rand | 0670-74 | | |
| Containment Spray Pump APCS-1B | Ingersoll Rand | 0670-75 | | |

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| Containment Spray Pump APCS-1A Gland Seal Cooler | Helliflow | 49486938 | | |
| Containment Spray Pump APCS-1B Gland Seal Cooler | Helliflow | 6080694 | | |
| Component Cooling Pump APCC-1A | Ingersoll Rand | 0568-31 | | |
| Component Cooling Pump APCC-1B | Ingersoll Rand | 0867-309 | | |
| Service Water Pump APSW-1A1 | Worthington Pump | VTP27738 | | |
| Service Water Pump APSW-1A2 | Worthington Pump | VTP27736 | | |
| Service Water Pump APSW-1B1 | Worthington Pump | V TP27737 | | |
| Service Water Pump APSW-1B2 | Worthington Pump | 75-TU-1719-1 | | |
| Spent Fuel Po ol Heat Exchanger AHSF | Struther Wells | 1-68-06-1519 | U11445 | |
| Main Steam Moisture Separator | Wright Austin | 6230 | X.R. | 6008 |

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|---|------------------------------|--|-----------------------|-----------------------|
| Spent Fuel Pool Pump APSF-1A | Gould Pumps | 786A519.1 | | |
| Spent Fuel Pool Pump APSF-1B | Gould Pumps | 786A519.2 | | |
| Service Water Pump Strainer ASSW-1Al | S.P. Kinney Engineers | 2278 | | |
| Service Water Pump Strainer ASSW-1A2 | S.P. Kinney Engineers | 2279 | | |
| Service Water Pump Strainer ASSW-1B1 | S.P. Kinney Engineers | 2280 | *** | |
| Service Water Pump Strainer ASSW-1B2 | S.P. Kinney Engineers | 2281 | | |
| Component Cooling Heat Exchanger AHCC1-1A | Engineers and Fabricators | S-15748-A | U11426 | 1139 |
| Component Cooling Heat Exchanger AHCC2-1B | Engineers and Fabricators | S-15748-B | U11427 | 1140 |
| Component Cooling Surge Tank ATCS | Sharpsville Steel | 714 | U11421 | 714 |

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|---|------------------------------|--|-----------------------|-----------------------|
| Control Room Air Conditioning Chiller 1A (Condenser) | Trane | VES11 05 89 | | 108982 |
| Control Room Air Conditioning Chiller 1B (Condenser) | Trane | VES110591 | | 108984 |

FORM NIS-1 (Back)

| 8. Examination Dates January 16, 1996 to June 13, 1997 |
|--|
| 9. Inspection Period Identification1st |
| 10. Inspection Interval Identification 3rd |
| 11. Applicable Edition of Section XI 1989 Addenda None |
| 12. Date/Revision of Inspection Plan March 24, 1997 Rev.1 |
| 13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. Reference Tab C |
| 14. Abstract of Results of Examinations and Tests. Reference Tab B and Tab F |
| 15. Abstract of Corrective Measures. Reference Tab B and Tab F |
| Utilization of ASME Boiler and Pressure Vessel Code Section XI: Code Cases N-460, N-491 and N-496. |
| We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI. |
| Certificate of Authorization No. (if applicable) $\frac{N/A}{}$ Expiration Date $\frac{N/A}{}$ |
| Certificate of Authorization No. (if applicable) N/A Expiration Date N/A Date July 9/997 19 97 Signed Wisconsin Public Sauric By Charles 9. School Owner |
| CERTIFICATE OF INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of WISCONSIN and employed by HARTFORD STEAM COILER of HARTFORD CT. have inspected the components described in this Owner's Report during the period TANUARY 16, 1996 to Tune 13, 1997, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be 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 MB774/ N. I. I.S. A. Wis 38 (100024) National Board. State, Province, and Endorsements Date July 9 19 97 |

ATTACHMENT 2

Letter from M. L. Marchi (WPSC)

To

Document Control Desk (NRC)

Dated

September 10, 1997

FORM NIS-2 Owner's Report for Repair or Replacements (60 Total)

As Required by the Provisions of the ASME Code Section XI

| | sin Public Service Corp. | | • | | | | |
|---|--|--|---|--------------------|-----------------------|---|------------------------|
| 700 North Adar | ms P.O. Box 19001 Green | n Bay, WI 54307-9001 | | Sheet | 1 | of2_ | |
| 2. Plant Kewaune | ee Nuclear Power Plant | | | Unit <u>i</u> | <u>No. 1</u> | | |
| N490 HWY 42 | Kewaunee, WI 54216-95 | 510 | | Work R | equest Nu | mber <u>202226</u> | |
| 3. Work Performed | d By Wisconsin Public S | ervice Corp. | | Type C | od e Symb | ol Stamp <u>NA</u> | |
| 700 North Adar | ms P.O. Box 19001 Green | Bay, WI 54307-9001 | | Authori | zation No. | NA_ | |
| 4. Identification of | System 35 Class 2 | CHEMICAL AND VO | DLUME CONTRO | <u>DL</u> Expirati | on Date | _NA | |
| 5. (a) Applicable (| Construction Code <u>ASM</u> | E III CLASS C | | Code C | ase <u>NA</u> | | |
| | | | | | | | |
| (b) Applicable | Edition of Section XI Utilize | ed for Repairs or Repla | cements 1989 |) | | | |
| | Edition of Section XI Utilize | | | | | | |
| . , , , , | | | | | Year Built | Repaired, Replaced, or Replacement | Code |
| 6. Identification of | Components Repaired or | Replaced and Replace | ment Componer | Other | | Replaced, or | Code |
| 6. Identification of Name of Component | Components Repaired or Name of Manufacturer | Replaced and Replace Manufacturer Serial No. | ment Componer National Board No. | Other ID | Built | Replaced, or Replacement | ASME Code Stampe |
| 6. Identification of Name of Component | Components Repaired or Name of Manufacturer | Replaced and Replace Manufacturer Serial No. | ment Componer National Board No. | Other ID | Built | Replaced, or Replacement | Code Stampe |
| 6. Identification of Name of Component | Components Repaired or Name of Manufacturer ATLAS | Replaced and Replace Manufacturer Serial No. | National Board No. 1031 | Other iD 00060 | Built 1970 | Replaced, or Replacement REPLACEMENT | Code Stampe Y |
| 6. Identification of Name of Component AHLD(CLASS 2) | Components Repaired or Name of Manufacturer ATLAS | Manufacturer Serial No. 1206 AND REPLACE GASK | National Board No. 1031 | Other iD 00060 | Built 1970 | Replaced, or Replacement REPLACEMENT | Code Stampe Y |
| 6. Identification of Name of Component AHLD(CLASS 2) 7. Description of V | Name of Manufacturer ATLAS Vork CHECK TORQUE SYSTEM LETDOV | Manufacturer Serial No. 1206 AND REPLACE GASK | National Board No. 1031 | Other ID 00060 | Built 1970 | Replaced, or Replacement REPLACEMENT | Code Stampe Y |
| 6. Identification of Name of Component AHLD(CLASS 2) | Name of Manufacturer ATLAS Vork CHECK TORQUE SYSTEM LETDOV | Manufacturer Serial No. 1206 | National Board No. 1031 (ET ON THE CL. R. | Other ID 00060 | Built 1970 IICAL AAN | Replaced, or Replacement REPLACEMENT ID VOLUME CONTRO Exempt | Code Stampe Y |

Sheet 2 of 2

Date: <u>06/16/97</u>

Name of Component: AHLD(CLASS 2)

Work Request Number: 202226

| Certificate of Ci | ompliance | • |
|---|--------------------------|---|
| We certify that the statements made in the report are correct and this | replacement | _ conforms to the rules of the |
| | repair or replacement | |
| ASME Code Section XI. | • | |
| Type Code Symbol Stamp NA | | |
| Certificate of Authorization No. NA Ex | piration Date | NA |
| Signed Phellip C. Buken Inspection analyst | Date | u 1 , 19 97 |
| Owner or Owner's Designee, Title | | |
| | | |
| | | |
| Certificate of INSERVI | CE INSPECTION | |
| I, the undersigned, holding a valid commission issued by the National | Board of Boiler and Pre | essure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boile | r Inspection and Ins. C | o. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period $\underline{\mathcal{J}}$ | ely 1, 1995 to June 3 | 6, 1997 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations a | nd taken corrective me | asures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section | on XI. | |
| By signing this certificate neither the Inspector nor his employer ma | | essed or implied concerning the |
| examinations and corrective measures described in this Owner's Repo | | |
| | | |
| shall be liable in any manner for any personal injury or property damag | ge or a loss of any kind | arising from or connected with |
| this inspection. | | |
| | | |
| 1 9 1. | | |
| Kogn Mogun Commiss | | S, A WIS 38 / / 600 24 , State, Province, and Endorsements |
| Inspector Signature | Hanona Doald | Cities 1 (Offices) and Environmente |
| 1 1 40 97 | | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner <u>Wiscons</u> | in Public Service Corp. | | | Date <u>06</u> | 5/21/96 | | |
|---|--|--|-----------------------------|---------------------|-------------------|---|-------------------------|
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | | 1_ | of2_ | · |
| 2. Plant Kewaunee Nuclear Power Plant | | | | | <u>o. 1</u> | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | | | que s t Nu | mber <u>205344</u> | |
| Work Performed By <u>Wisconsin Public Service Corp.</u> | | | | | de Symbo | i Stamp <u>NA</u> | |
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | | ation No. | NA | |
| 4. Identification of Sy | rstem <u>23</u> Class 2 | CONTAINMENT SPI | RAY | Expiration | n Date | <u>_NA</u> | |
| 5. (a) Applicable Co | nstruction Code <u>B16.5-1</u> | 1967 | | Code Ca | se <u>NA</u> | | |
| (b) Applicable Ed | lition of Section XI Utilized fo | for Repairs or Replace | ments <u>1989</u> | <u>}</u> | | | |
| | lition of Section XI Utilized for Report of Report of Name of Manufacturer | | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| 6. Identification of Co | omponents Repaired or Rep | placed and Replaceme | nt Components National | Other | | Replaced, or | Code |
| 6. Identification of Co Name of Component | Name of Manufacturer TRW MISSION MANUFACTURING | placed and Replaceme Manufacturer Serial No. | National Board No. NA | Other ID ICS003-002 | Built 1970 | Replaced, or Replacement REPLACEMENT M 8" VALVE ICS-3B. | Code Stampe |

Sheet 2 of 2

Date: 06/21/96

Name of Component: ICS-3B

Work Request Number: 205344

| Ce | rtificate of Compliance | |
|--|---|---|
| We certify that the statements made in the report a | | conforms to the rules of the |
| ASME Code, Section XI. | repair or replacement | |
| Type Code Symbel Stamp NA | | |
| Certificate of Authorization No. NA | Expiration Date | NA |
| Signed Philly C. Bukes Ingestion. Owner or Owner's Designee, Title | analyst Date July | , 19 97 |
| Certifical | e of INSERVICE INSPECTION | |
| I, the undersigned, holding a valid commission issued by | | Vessel inspectors and the |
| State or Province of Wisconsin and employed by Hartfe | | |
| | | |
| the components described in this Owner's Report during | • | |
| of my knowledge and belief, the Owner has performed | • | described in this Owners |
| Report in accordance with the requirements of the ASM | IE Cede, Section XI. | |
| By signing this certificate neither the Inspector nor h | s employer makes any warranty, expressed | or implied, concerning the |
| examinations and corrective measures described in thi | Owner's Report. Furthermore, neither the | Inspector nor his employer |
| shall be liable in any manner for any personal injury or | proporty damage or a loss of any kind ansing | from or connected with |
| this inspection. | | • |
| | | • |
| Roya Morium Inspector's Signature | Commissions NB7741, I, N, IS, National Board, S | A WIS 38 / 100024 tate, Province, and Endorsements |
| Date | | |

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

| 700 Nowb Adom | no D.O. Boy 10001 Crass | Pay 14/1 E4207 0004 | | Sheet | 1 | of2 | |
|---|---|---|--|---------------------|--------------------|--|------------------|
| 700 North Adam | ns P.O. Box 19001 Green | Bay, W1 54307-9001 | | Sneet | | 012 | |
| 2. Plant Kewaune | ee Nuclear Power Plant | | | Unit <u>N</u> | l <u>o. 1</u> | | |
| N490 HWY 42 | Kewaunee, WI 54216-951 | 10 | | Work Re | equ es t Nu | mber <u>207203</u> | |
| 3. Work Performed | By Wisconsin Public Se | ervice Corp. | | Туре Со | de Symbo | ol Stamp <u>NA</u> | |
| 700 North Adan | ns P.O. Box 19001 Green E | Bay, WI 54307-9001 | | Authoriz | ation No. | <u>NA</u> | |
| 4. Identification of | System 35 Class 2 | CHEMICAL AND VO | OLUME CONTRO | <u>OL</u> Expiratio | n Date | <u>NA</u> | |
| 5. (a) Applioable (| Construction Code <u>B31.1</u> | <u>1-1967</u> | | Code Ca | se <u>NA</u> | | |
| | Edition of Section XI Utilized Components Repaired or Ro | | | 2 | | | |
| ., ., | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | Co |
| 6. Identification of Name of | Components Repaired or Re | eplaced and Replaceme Manufacturer Serial No. | ent Components National | Other | | Replaced, or | Co Stan |
| 6. Identification of Name of Component | Name of Manufacturer CROSBY VALVE & GACO. | eplaced and Replaceme Manufacturer Serial No. | National Board No. NA ST CHEMICAL A | Other ID CS015-001 | 1971 | Replaced, or Replacement REPAIRED 3" VALVE CVC-40. Exempt | AS Co Stan |

Sheet 2 of 2

Date: <u>12/05/96</u>

Name of Component: <u>CVC-40</u>

Work Request Number: 207203

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this <u>repaired</u> conforms to the rules of the |
| ASME Code, Section XI. |
| Type Code Symbel Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Buked Inspection analyst Date July 1 19 97 Owner or Owner's Designee, Title |
| Out Tours of INCEDVICE INCEDEDIN |
| Certificate of INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period Tuly 1, 1995 to Tune 30, 1997 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with |
| this inspection. |
| |
| Inspectors Signature Commissions NB7741, I. N. IS, A WIS 38 / 100024 National Board, State, Province, and Endorsements |
| Date |

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

| 1. Owner Wisco | onsin Public Service Corp. | | | Date <u>06</u> | 5/13/9 <u>6</u> | | |
|---|--|---|---------------------------------|--------------------------|--------------------------|--|----------------------|
| 700 North Ada | ms P.O. Box 19001 Green B | ay, WI 54307-9001 | | Sheet _ | 1_ | of2 | |
| 2. Plant <u>Kewaun</u> | nee Nuclear Power Plant | | | Unit <u>N</u> | o. <u>1</u> | | |
| N490 HWY 42 | 2 Kewaunee, WI 54216-9510 | | | Work Re | quest Nur | mber <u>207381</u> | |
| 3. Work Performe | ed By Wisconsin Public Sen | vice Corp. | ſ | Туре Сес | de Symbo | l Stamp <u>NA</u> | |
| 700 North Ada | ms P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Authoriza | ation No. | NA | |
| 4. Identification of | System <u>23</u> Class 2 | CONTAINMENT SI | PRAY | Expiration | n Date | NA | |
| 5. (a) Applicable | Construction Code <u>B16.5-</u> | 1967 | | Code Ca | se <u>NA</u> | | |
| (h) Annlinahla | Edition of Section XI Utilized f | for Renairs or Replac | ements 198 | 9 | | | |
| Name of Component | Name of | Manufacturer | National | · | | Repaired, | ASME |
| | Manufacturer | Serial No. | Board No. | Other ID | Year Built | Replaced, or Replacement | Code Stampe |
| ICS-5B | | 1 | | | | | Code Starnpe N |
| 7. Description of \(\) 8. Tests Conducte | Manufacturer CRANE VALVE CO. Work REPAIR BODY TO BE SYSTEM 6" VALVE ed: Hydrostatic | Serial No. NF BONNET LEAK (RE | NA PLACE GASKET Nominal Opera | ID ICS006-003 | Built 1970 | Replacement REPLACEMENT AL CONTAINMENT S Exempt | Starnpo N |
| 7. Description of V | Manufacturer CRANE VALVE CO. Work REPAIR BODY TO B SYSTEM 6" VALVE ed: Hydrostatic | Serial No. NF BONNET LEAK (REICS-5B. Pneumatic | NA PLACE GASKET Nominal Opera | ID ICS006-003 ON CLASS 2 | Built 1970 INTERNA | Replacement REPLACEMENT AL CONTAINMENT S Exempt | Starnpe N |

Date: 06/13/96

Name of Component:

ICS-5B

Work Request Number: 207381

| | Certificate of Co | mpliance | | |
|--|--------------------------|----------------------------------|--------|-----------------------|
| We certify that the statements made in the repor | - 1 | replacement repair or replace | | to the rules of the |
| ASME Code, Section XI. | | | | |
| Type Code Symbol Stamp NA | | , | | |
| Certificate of Authorization No. NA | Expi | ration Date | NA | |
| Signed Phillip C. Bukes Imperior Owner's Designee, Title | Inservel tion Analyst | Date | July 1 | , 19 <u>97</u> |
| | | | | |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period <u>July 1, 1995</u> to <u>June 30, 1997</u> and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| Roge Motories | Commissions | NB7741, I, N, IS, A WIS 38 / /00024 |
|------------------------|-------------|---|
| Inspector's Signature | | National Board, State, Province, and Endorsements |
| Date <u>July</u> 19 97 | | |

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

| 1. Owner Wisco | nsin Public Service Corp. | | | Date <u>06</u> | /21/96 | | |
|---|--|---|--|----------------------------------|--------------------|--|------------------------|
| 700 North Adar | ms P.O. Box 19001 Green B | lay, WI 54307-9001 | | Sheet | 1_ | of2_ | |
| 2. Plant <u>Kewaun</u> | ee Nuclear Power Plant | | | Unit <u>N</u> o | <u>. 1</u> | | |
| N490 HWY 42 | ! Kewaunee, WI 54216-9510 | 2 | | Work Re | quest Nun | nber <u>207954</u> | |
| 3. Work Performe | d By Wisconsin Public Ser | vice Corp. | | Туре Сос | le Symbol | Stamp <u>NA</u> | |
| 700 North Ada | ms P.O. Box 19001 Green B | ay, WI 54307-9001 | | Authoriza | ition No. | NA_ | |
| 4. Identification of | System 23 Class 2 | CONTAINMENT SE | RAY | Expiration | n Date | <u>NA</u> | |
| 5. (a) Applicable | Construction Code <u>B16.5</u> - | 1967 | | Code Ca | se <u>NA</u> | | |
| (b) Applicable | Edition of Section XI Utilized | for Repairs or Replace | ements <u>198</u> | <u>9</u> | | | |
| 6. Identification of | Components Repaired or Re | placed and Replacem | ent Components | | | | |
| | | | | | | | 4044 |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| | | - 1 | | | | Replaced, or | Code |
| Component | Manufacturer CRANE VALVE CO. | Serial No. NF BONNET LEAK (REF | Board No. | ID ICS006-004 | B uilt 1970 | Replaced, or Replacement REPLACEMENT | Code Stampe N |
| Component ICS-6B | Manufacturer CRANE VALVE CO. Work REPAIR BODY TO SYSTEM 6" VALVE | Serial No. NF BONNET LEAK (REF | Board No. | ID ICS006-004) ON CLASS 2 | B uilt 1970 | Replaced, or Replacement REPLACEMENT | Code Stamped N |
| Component ICS-6B 7. Description of \(\) | Manufacturer CRANE VALVE CO. Work REPAIR BODY TO SYSTEM 6" VALVE | Serial No. NF BONNET LEAK (REF | Board No. NA PLACE GASKET Nominal Opora | ID ICS006-004) ON CLASS 2 | Built 1970 | Replaced, or Replacement REPLACEMENT L CONTAINMENT S | Code Stamped N |
| Component ICS-6B 7. Description of \(\) 8. Tests Conducte | Manufacturer CRANE VALVE CO. Work REPAIR BODY TO SYSTEM 6" VALVE d: Hydrostatic | Serial No. NF BONNET LEAK (REFICS-6B. | Board No. NA PLACE GASKET Nominal Opora | ID ICS006-004 ON CLASS 2 | Built 1970 INTERNA | Replaced, or Replacement REPLACEMENT L CONTAINMENT S | Code Stampe N |

Date: 06/21/96

Name of Component:

ICS-6B

Work Request Number: 207954

| | С | ertificate of Co | mpliance | | |
|---|--|---------------------------|------------------------------|---------------------------------------|---------------------|
| We certify that the statem ASME Code, Section XI. | ents made in the report | | replaceme repair or repla | | to the rules of the |
| Type Code Symbol Stamp | NA | | | · · · · · · · · · · · · · · · · · · · | |
| Certificate of Authorization No | o. NA | Exp | ration Date | NA | |
| | Bukea Trage Owner's Designee, Title | Inservice tron analyst | Date _ | July 1 | , 19 ९ ७ |
| | | | | | |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the poriod Tuly 1. 1995 to Tune 30, 1997 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

NB7741, I, N, IS, A WIS 38 / 10003 4
National Board, State, Province, and Endorsements Commissions

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscons | in Public Service Corp. | | | Date 0 | 6/18/97 | | |
|--|---|---|---|------------------------------------|-------------------|--|-------------------------|
| 700 North Adams | s P.O. Box 19001 Green B | Bay, WI 54307-900 | <u>1</u> | Sheet | 1 | of2 | 2 |
| 2. Plant <u>Kewaunee</u> | Nuclear Power Plant | | | Unit <u>N</u> | lo. 1 | | |
| N490 HWY 42 I | Kewaunee, WI 54216-9510 | <u>)</u> | | Work R | equest Nu | mber <u>208071</u> | |
| 3. Work Performed | By Wisconsin Public Serv | rice Corp. | | Type Co | ode Symb | ol Stamp <u>NA</u> | |
| 700 North Adams | s P.O. Box 19001 Green Ba | ay, WI 54307-9001 | - | Authoriz | zation No. | NA | |
| 4. Identification of S | system <u>35</u> Class 2 | CHEMICAL AND V | OLUME CONTRO | OL Expirati | on Date | NA | |
| 5. (a) Applicable Co | onstruction Code <u>B31.1-19</u> | 967 | | Code C | ase <u>NA</u> | | |
| (h) Annlicable E | dition of Section XI Utilized | for Repairs or Repla | acements 1989 | <u> </u> | | | |
| (n) Whileaple E | | 1 | | | | | |
| | components Repaired or Re | eplaced and Replace | ement Componer | nts · | | ` | |
| | | eplaced and Replace Manufacturer Serial No. | ement Componer National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| 6. Identification of C | components Repaired or Re | Manufacturer Serial No. | National | Other | | Replaced, or | Code |
| 6. Identification of C | Name of Manufacturer BROOKS INSTRUMENT COMPANY | Manufacturer Serial No. 7008/45504/2 | National Board No. NA | Other ID 23016 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped N |
| 6. Identification of C Name of Component FT-177 (23016) | Name of Manufacturer BROOKS INSTRUMENT COMPANY Drk REPAIR FLOW TRAN | Manufacturer Serial No. 7008/45504/2 | National Board No. NA | Other ID 23016 ASS 2 CHEM | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped N |
| 6. Identification of Control of Component FT-177 (23016) 7. Description of Wo | Name of Manufacturer BROOKS INSTRUMENT COMPANY Drk REPAIR FLOW TRAN | Manufacturer Serial No. 7008/45504/2 NSMITTER FT-177 | National Board No. NA (23016) IN 2" CL | Other ID 23016 ASS 2 CHEM | Built 1970 | Replaced, or Replacement REPAIRED O VOLUME CONTR | Code Stamped N |

Sheet 2 of 2

Date: <u>06/18/97</u>

Name of Component: FT-177 (23016)

Work Request Number: 208071

| Certific | ate of Com | pliance | | |
|--|------------------|-------------------------|--|--|
| We certify that the statements made in the report are corre | ct and this | epaired | conform | s to the rules of the |
| | | air or r e place | ment | |
| ASME Code Section XI. | | | | |
| Type Code Symbol Stamp NA | | | 4 | |
| Certificate of Authorization No. NA | Expirat | ion Date _ | NA | |
| Signed Phillip C. Buken Impertion | maket | Date \ | ا بداید | , 19 97 |
| Owner or Owner's Designee, Title | | — | (| |
| | | | · | |
| | | | | |
| On the same | NOED\/OF | NODEOTI/ | | <u> </u> |
| Certificate of I | NSERVICE | INSPECTION | ON | |
| , the undersigned, holding a valid commission issued by th | e National Boar | rd of Boiler ar | nd Pressure Ve | ssel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford S | Steam Boiler Ins | pection and I | ns. Co. of Harti | ford, CT have inspected |
| · | | •- | | |
| he components described in this Owner's Report during the | 1 | | | |
| of my knowledge and belief, the Owner has performed example of the control of the | minations and ta | aken correctiv | re measures de | scribed in this Owner's |
| Report in accordance with the requirements of the ASME C | ode, Section X | l. | | |
| By signing this certificate neither the Inspector nor his er | nnlover makes | any warranty | expressed or i | mplied concerning the |
| | | | | |
| examinations and corrective measures described in this Ov | • | | | |
| shall be liable in any manner for any personal injury or prop | erty damage or | a loss of any | kind arising fro | om or connected with |
| this inspection. | | | | |
| | | | | |
| 4 | | | | |
| 1 mf | 0 | ND7744 : | N 10 4 14 | 15 20 / /part! |
| From From | Commissions | | , | S 38 / / ood 4 ovince, and Endorsements |
| inspectory Signature | | | • | |
| Date | | | | |

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

| 1. Owner <u>Wisco</u> | nsin Public Service Corp. | | | Date <u>C</u> | <u>15/30/96</u> | | |
|---|--|--|-----------------------------|----------------------|----------------------|--|------------------------|
| 700 North Adar | ms P.O. Box 19001 Green Ba | ıy, WI 54307-9001 | | Sheet | 1 | of2 | |
| 2. Plant <u>Kewaun</u> | ee Nuclear Power Plant | | | Unit <u>1</u> | <u>lo. 1</u> | | |
| N490 HWY 42 | ! Kewaunee, WI 54216-9510 | | | Work R | equest Nu | mber <u>208179</u> | |
| 3. Work Performed | d By Wisconsin Public Servi | ice Corp. | | Туре Со | ode Symbo | ol Stamp <u>NA</u> | |
| 700 North Adar | ns P.O. Box 19001 Green Bay | y. WI 54307-9001 | | Authoriz | ation No. | NA | |
| 4. Identification of | System <u>35</u> Class 2 | CHEMICAL AND VO | LUME CONTRO | <u>)L</u> Expiration | on Date | NA | |
| 5. (a) Applicable (| Construction Code <u>SEC. VI</u> | III DIV.I-1975 | , | Code C | ase <u>NA</u> | | |
| | = 00 - 5 6 - 4 - M 100 - 45 | - Di Dla | ment s 1989 | 1 | | | 2 |
| | Edition of Section XI Utilized fo | | | • | | | |
| 6. Identification of | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | Code |
| 6. Identification of | Components Repaired or Repl | iaced and Replaceme | ent Components National | Other | | Replaced, or | ASME Code Stampo |
| 6. Identification of Name of Component | Name of Manufacturer GREER HYDRAULICS Work REPLACE DAMPENE PULSATION DAMPE | Manufacturer Serial No. GHI-1848 ER SPRING ON CHE | National Board No. NA | Other ID 07000 | Built 1975 ROL SYS | Replaced, or Replacement REPLACEMENT TEM CHARGING PU Exempt | Code Stamp Y |

Sheet 2 of 2

Date: 05/30/96

Name of Component: <u>APD-1A</u>

Work Request Number: <u>208179</u>

| | Certificate of C | Compliance | |
|---------------------------------|---|--------------------------------------|--|
| We certify that the statem | nents made in the repert are correct and this | s <u>replacement</u> | _ conforms to the rules of the |
| ASME Code, Section XI. | | repair or replacement | |
| | | | |
| Type Code Symbol Stamp | NA . | | |
| Certificate of Authorization No | o. <u>NA</u> E | xpiration Date | NA |
| Signed Phillip C. | Bukes Plant Inservere Bukes Inspection analyse | لىل Date | 4 \ 19 97 |
| Owner or C | Owner's Designee, Title | 4 | 9 |
| | | | |
| | | | |
| | Certificate of INSERV | ICE INSPECTION | |
| I, the undersigned, holding a | valid commission issued by the National Bo | card of Boiler and Pressu | ure Vessel Inspectors and the |
| State or Province of Wiscons | in and employed by Hartford Steam Boiler | Inspection and Ins. Co. o | of Hartford, CT have inspected |
| the components described in | this Owner's Report during the period Tul | 41, 1995 to June 30, | 1997, and state that to the best |
| of my knowledge and belief, t | he Owner has performed examinations and | <i>I</i> I taken corrective measu | res described in this Owner's |
| Repert in accordance with the | e requirements of the ASME Code, Section | XI. | |
| By signing this certificate r | either the Inspector rior his employer make | es any warrarity, express | ed or implied, concerning the |
| examinations and corrective r | neasures described in this Owner's Report | . Furthermore, neither ti | ne Inspector nor his employer |
| shall be liable in any manner | for any personal injury or property damage | or a loss of any kind aris | ing from or connected with |
| this inspection. | | | |
| | | | • |
| 1 2. A | | | |
| Koza Mogu | Commis | | S, A WIS 38 / 10002 4 State, Province, and Endorsements |
| // Inspectory Sig | jnature | . tational board | , winter a resulting mile milestration to |
| Date July 1 | 19 97 | | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscons | sin Public Service Corp. | | | Date <u>C</u> |)5/31/96 _. | • | |
|---|---|--|---|---------------------|---------------------------|---|-------------------------|
| 700 North Adams | s P.O. Box 19001 Green Ba | y, WI 54307-9001 | | Sheet | 1 | of2 | |
| 2. Plant <u>Kewaunee</u> | e Nuclear Power Plant | | | Unit <u>I</u> | No. 1 | | |
| N490 HWY 42 | Kewaunee, W! 54216-9510 | | | . Work R | equest Nu | mber <u>208180</u> | |
| 3. Work Performed | By Wisconsin Public Servi | ce Corp. | | Туре Со | ode Symbo | l Stamp <u>N/A</u> | |
| 700 North Adams | s P.O. Box 19001 Green Bay | . WI 54307-9001 | | Authoriz | ration No. | NA | |
| 4. Identification of S | System <u>35</u> Class 2 | CHEMICAL AND VO | LUME CONTRO | <u>L</u> Expiration | on Date | NA | |
| 5. (a) Applicable Co | onstruction Code SEC. VI | II DIV.I-1975 | | Code C | ase <u>NA</u> | | |
| (b) Applicable E | dition of Section XI Utilized fo | r Repairs or Replace | merits <u>1989</u> | | | | |
| | | | | | | | |
| Identification of C | Compenents Repaired or Repl | aced and Replaceme | rit Compenents | | | | |
| Identification of C | Comperients Repaired or Repl | aced and Replaceme | rit Compenents | | | | |
| 6. Identification of C Name of Component | Comperients Repaired or Repl Name of Manufacturer | Manufacturer Serial No. | rit Compenents National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| Name of | Name of | Manufacturer | National | | | Replaced, or | Code |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | ID | Built | Replaced, or Replacement | Code Stamped |
| Name of Component | Name of Manufacturer GREER HYDRAULICS | Manufacturer Serial No. GHI-1848 ER SPRING ON CHE | National Board No. N/A | 07001 | Built 1975 | Replaced, or Replacement REPLACEMENT | Code Stamped Y |
| Name of Component APD-1B | Name of Manufacturer GREER HYDRAULICS Ork REPLACE DAMPENE PULSATION DAMPE | Manufacturer Serial No. GHI-1848 ER SPRING ON CHE | National Board No. N/A | 07001 | Built 1975 | Replaced, or Replacement REPLACEMENT | Code Stamped Y |
| Name of Component APD-1B 7. Description of Weight | Name of Manufacturer GREER HYDRAULICS Ork REPLACE DAMPENE PULSATION DAMPE | Manufacturer Serial No. GHI-1848 ER SPRING ON CHENER. | National Board No. N/A EMICAL AND VO | 07001 | Built 1975 TROL SYS | Replaced, or Replacement REPLACEMENT TEM CHARGING PUT Exempt | Code Stamped Y |

Sheet 2 of 2

Date: 05/31/96

Name of Component: <u>APD-1B</u>

Work Request Number: <u>208180</u>

| Certificate of Compliance | |
|--|---------------------|
| We certify that the statements made in the report are correct and this replacement conforms to the | rules of the |
| ASME Code, Section XI. | |
| MONE GOOD, GOODINI AL. | |
| | |
| Type Code Symbol Stamp N/A | |
| | |
| Certificate of Authorization No. NA Expiration Date NA | |
| Plant Inserved | |
| Signed Philip C. Bukes Inspection analyst Date | , 19 ९ ७ |
| Owner or Owner's Designee, Title | |
| | |
| | |
| O. ASS. AS STRUCTURE INCORPORTION | |
| Certificate of INSERVICE INSPECTION | • |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspec | tors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT ha | ve inspected |
| | |
| the components described in this Owner's Report during the period Tuly 1,1995 to Tare 30, 1997; and state the | lat to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the | hi s Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. | |
| | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, con | cerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor h | is employer |
| shall be liable in any mariner for any personal injury or property damage or a loss of any kirid arising from or conne | |
| | |
| this inspection. | |
| | |
| 1 0 | |
| Commissions NB7741. I. N. IS. A. WIS 38 | 1100024 |
| Inspector Signature Commissions National Board, State, Province, | and Endorsements |
| | |
| Date 19 | |

As Required by the Provisions of the ASME Code Section ${\bf XI}$

| | | | | | 0.00.00 | | |
|--|--|---|--|----------------------|----------------------|--|------------------------|
| 1. Owner <u>Wisco</u> | onsin Public Service Corp. | | | Date 0 | 06/03/96 | | |
| 700 North Adar | ms P.O. Box 19001 Green Ba | ay, Wi 54307-9001 | | Sheet | 1 | of2 | |
| 2. Plant <u>Kewaun</u> | ee Nuclear Power Plant | | | Unit <u>1</u> | No. 1 | | |
| N490 HWY 42 | 2 Kewaunee, WI 54216-9510 | | | Work R | equest Nu | mber <u>208181</u> | |
| 3. Work Performe | d By Wisconsin Public Serv | vice Corp. | | Type Co | ode Symbo | ol Stamp <u>NA</u> | |
| 700 North Ada | ms P.O. Box 19001 Green Ba | y, WI 54307-0001 | | Authoriz | ation No. | NA | |
| 4. Identification of | System 35 Class 2 | CHEMICAL AND VO | LUME CONTRO | <u>)L</u> Expiration | ori Date | NA | |
| 5. (a) Applicable | Construction Code <u>SEC. V</u> | 'III DIV.I-1975 | | Code C | ase <u>NA</u> | | |
| (b) Applicable | Edition of Section XI Utilized for | or Repairs or Replace | ments 1989 | <u>)</u> | | | |
| | | | | | | | |
| | <u>.</u> . | | | | | | |
| 6. Identification of | Compenents Repaired or Rep | laced and Replaceme | erit Comporients | | | | |
| 6. Identification of | Compenents Repairod or Rep | laced and Replaceme | ent Components | | | | |
| Name of | Name of | Manufacturer | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| Name of Component | | *** | National | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | ID | Built | Replaced, or Replacement | Code Stamped |
| Name of Component APD-1C | Name of Manufacturer GREER HYDRAULICS | Manufacturer Serial No. GHI-1849 | National Board No. NA | 07002 | Built 1975 | Replaced, or Replacement REPLACEMENT | Code Stamped Y |
| Name of Component APD-1C | Name of Manufacturer GREER HYDRAULICS | Manufacturer Serial No. GHI-1849 ER SPRING ON CHE | National Board No. NA | 07002 | Built 1975 | Replaced, or Replacement REPLACEMENT | Code Stamped Y |
| Name of Component APD-1C | Name of Manufacturer GREER HYDRAULICS Work REPLACE DAMPENI | Manufacturer Serial No. GHI-1849 ER SPRING ON CHE | National Board No. NA | 07002 | Built 1975 | Replaced, or Replacement REPLACEMENT | Code Stamped Y |
| Name of Component APD-1C 7. Description of V | Name of Manufacturer GREER HYDRAULICS Vork REPLACE DAMPENI PULSATION DAMPE | Manufacturer Serial No. GHI-1849 ER SPRING ON CHE | National Board No. NA | 07002 | Built 1975 | Replaced, or Replacement REPLACEMENT | Code Stamped Y |
| Name of Component APD-1C 7. Description of V | Name of Manufacturer GREER HYDRAULICS Vork REPLACE DAMPENI PULSATION DAMPE | Manufacturer Serial No. GHI-1849 ER SPRING ON CHE | National Board No. NA EMICAL AND VO | 07002 | Built 1975 ROL SYS | Replaced, or Replacement REPLACEMENT TEM CHARGING PU Exempt | Code Stampe Y |
| Name of Component APD-1C 7. Description of V 3. Tests Conductor | Name of Manufacturer GREER HYDRAULICS Work REPLACE DAMPENI PULSATION DAMPE d: Hydrostatic | Manufacturer Serial No. GHI-1849 ER SPRING ON CHEENER. Pneumatic Pressure 2240 | National Board No. NA EMICAL AND VO | 07002 DLUME CONT | Built 1975 ROL SYS | Replaced, or Replacement REPLACEMENT TEM CHARGING PU Exempt | Code Stampe Y |
| Name of Component APD-1C 7. Description of V 3. Tests Conductor | Name of Manufacturer GREER HYDRAULICS Work REPLACE DAMPENI PULSATION DAMPE d: Hydrostatic | Manufacturer Serial No. GHI-1849 ER SPRING ON CHEENER. Pneumatic Pressure 2240 | National Board No. NA EMICAL AND VO | 07002 DLUME CONT | Built 1975 ROL SYS | Replaced, or Replacement REPLACEMENT TEM CHARGING PU Exempt | Code Stamp |

Sheet 2 of 3

Date: 06/03/96

Name of Component: APD-1C

Work Request Number: 208181

| | Cert | ificate of Complian | ce | • |
|---|--|---------------------|----------------|-----------------------|
| We certify that the stater ASME Code, Section XI: | ments made in the report are | | cement conform | s to the rules of the |
| ype Code Symbol Stamp | NA | | | |
| Certificate of Authorization N | o. NA | Expiration Da | teNA | |
| | Plant In Bukeo Impection Owner's Designee, Title | noenvier Date | e July 1 | , 19 <u>97</u> |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period Telephology. The State of my knowledge and bolief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Cede, Section XI.

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

| Roger Mohnen | Commissions | NB7741, I, N, IS, A WIS 38 / 10002 4 |
|----------------------|-------------|--|
| Inspectors Signature | | National Board, State, Province, and Eridorsements |
| Date | _ | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner <u>Wiscor</u> | nsin Public Service Corp. | | | Date 1 | 11/30/95 | | |
|--|--|---|--|----------------------|---------------------------|--|-------------------------|
| 700 North Adar | ms P.O. Box 19001 Green I | Bay, WI 54307-9001 | | Sheet | 1 | of2 | 2 |
| 2. Plant <u>Kewaun</u> | ee Nuclear Power Plant | | | Unit <u>I</u> | No. 1 | | |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | <u>o</u> | | Work R | equest Nu | ımber <u>208391</u> | |
| 3. Work Performe | d By <u>Wisconsin Public Ser</u> | vice Corp. | | Type C | ode Symb | ol Stamp <u>NA</u> | |
| 700 North Ada | ms P.O. Box 19001 Green E | Bay, WI 54307-9001 | | Authori | zation No. | NA | |
| 4. Identification of | System 35 Class 2 | CHEMICAL AND VC | DLUME CONTRO | <u>DL</u> Expirati | ion Date | NA | |
| 5. (a) Applicable | Construction Code NA | | | Code C | ase <u>NA</u> | | |
| (b) Applicable | Edition of Section XI Utilized | I for Repairs or Repla | cements 1989 | | | | |
| | | | | | | | |
| 6. Identification of | Components Repaired or Re | eplaced and Replace | ment Componen | nts | | | |
| 6. Identification of | Components Repaired or R | eplaced and Replace | ment Componen | nts | | | |
| 6. Identification of Name of Component | Components Repaired or Repaire | eplaced and Replace Manufacturer Serial No. | ment Componen National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| Name of | Name of | Manufacturer | National | Other | | Replaced, or | Code |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamped |
| Name of Component APCH-1C | Name of Manufacturer AJAX IRON WORKS | Manufacturer Serial No. 6577 | National Board No. NA | Other ID 00077 | Built 1967 | Replaced, or Replacement REPAIRED | Code Stamped N |
| Name of Component | Name of Manufacturer AJAX IRON WORKS | Manufacturer Serial No. 6577 | National Board No. NA | Other ID 00077 | Built 1967 | Replaced, or Replacement REPAIRED | Code Stamped N |
| Name of Component APCH-1C | Name of Manufacturer AJAX IRON WORKS Work REPLACED PLUNG CHARGING PUMP | Manufacturer Serial No. 6577 | National Board No. NA | Other ID 00077 | Built 1967 L AND VO | Replaced, or Replacement REPAIRED | Code Stamped N |
| Name of Component APCH-1C 7. Description of V | Name of Manufacturer AJAX IRON WORKS Work REPLACED PLUNG CHARGING PUMP | Manufacturer Serial No. 6577 ER SEAL ASSEMBL | National Board No. NA .IES ON CLASS | Other ID 00077 | Built 1967 L AND VO | Replaced, or Replacement REPAIRED LUME CONTROL S Exempt | Code Stamped N |

Sheet 2 of 2

Date: <u>11/30/95</u>

Name of Component: APCH-1C

Work Request Number: 208391

| Ce | ertificate of Compliance | |
|--|---|--------|
| We certify that the statements made in the report ar | re correct and this repaired conforms to the rules of the | |
| | repair or replacement | |
| ASME Code Section XI. | | |
| | | |
| Type Code Symbol Stamp NA | | |
| Certificate of Authorization No. NA | Expiration Date NA | |
| Signed Phillip C. Buken Imagest Owner or Owner's Designee, Title | inservery tion analyst Date July 1, 1997 | |
| Certificat | te of INSERVICE INSPECTION | |
| the undersigned, holding a valid commission issue | ed by the National Board of Boiler and Pressure Vessel Inspectors and | the |
| · | | |
| State or Province of Wisconsin and employed by Ha | artford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspe | cted |
| he components described in this Owner's Report du | uring the period Tuly 1995 to Tuve 30, 1997, and state that to the | best |
| | ed examinations and taken corrective measures described in this Own | |
| or my knowledge and belief, the Owner has performe | ed examinations and taken corrective measures described in this Own | CI 3 |
| Report in accordance with the requirements of the A | SME Code, Section XI. | |
| By signing this certificate neither the Inspector not | or his employer makes any warranty, expressed or implied, concerning | the |
| examinations and corrective measures described in | this Owner's Report. Furthermore, neither the Inspector nor his emplo | yer |
| • | or property damage or a loss of any kind arising from or connected wit | |
| this inspection. | | |
| moreonen. | | |
| | | |
| 1 2 1 | | |
| Kan Motorin | Commissions NB7741, I, N, IS, A WIS 38 / 100024 | |
| Inspector's Agnature | National Board, State, Province, and Endors | ements |
| | | |
| Date <u>July</u> 19 <u>97</u> | · | • |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner <u>Wisconsi</u> | n Public Service Corp. | | | 54.0 <u>0</u> | 4/01/96 | | |
|--|---|---|---|--|--------------------------|--|-------------------------|
| 700 North Adams | P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of2 | . <u></u> |
| 2. Plant <u>Kewaunee</u> | Nuclear Power Plant | | | Unit N | io. 1 | | |
| N490 HWY 42 K | ewaunee, WI 54216-9510 | ! | | Work Re | equest Nu | mbor <u>208694</u> | |
| 3. Work Performed B | y <u>Wisconsin Public Serv</u> | vice Corp. | | Туре Со | de Symbo | l Stamp <u>N/A</u> | |
| 700 North Adams | P.O. Box 19001 Green Ba | ny, WI 54307-9001 | | Authoriz | ation No. | <u>NA</u> | |
| 4. Identification of Sys | stem 33 Class 2 | SAFETY INJECTION | <u>N</u> | Expiration | n Date | NA | |
| 5. (a) Applicable Cor | nstruction Cede <u>B16.5-1</u> | 1967 | | Code Ca | ise <u>N/A</u> | | |
| | | | | | | | |
| ., | ition of Section XI Utilized for mponents Repaired or Rep | | | | | | |
| ., | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| 6. Identification of Co | mponents Repaired or Rep | placed and Replaceme | ent Components | Other | - | Replaced, or | Code |
| 6. Identification of Co Name of Component | Name of Manufacturer ANCHOR VALVE COMPANY | Manufacturer Serial No. | National Board No. N/A INJECTION VAL JDS AND NUTS | Other ID Si009-002 VE SI-5B BY ONE AT A TI | Built 1970 ADJUSTI | Replaced, or Replacement REPAIRED NG VALVE PACKIN ERFORM VT-3 VISU | Code Stampe N |
| 6. Identification of Co Name of Component SI-5B | Name of Manufacturer ANCHOR VALVE COMPANY | Manufacturer Serial No. 9193-3/70 | National Board No. N/A INJECTION VAL JDS AND NUTS GRADATION. | Other ID Si009-002 VE SI-5B BY ONE AT A TI | Built 1970 ADJUSTI | Replaced, or Replacement REPAIRED NG VALVE PACKINERFORM VT-3 VISUE Exempt X | Code Stamp N |

Sheet 2 of 2

Date: <u>04/01/96</u>

Name of Component: SI-5B

Work Request Number: 208694

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this repaired conforms to the rules of the |
| ASME Code, Section XI. repair or replacement |
| Type Code Symbol Stamp N/A |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phellip C. Bukes Inspection analyst Date July 1, 19 97 |
| 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have irispected |
| the components described in this Owner's Report during the period Tuly 1, 1995 to Tune 30, 1997, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate rieither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 106034 Inspector's Signature National Board, State, Province, and Endorsement |
| Date |

As Required by the Provisions of the ASME Code Section XI

| 2. | | | | | Date 11 | /30/95 | | |
|----|-----------------------|----------------------------------|----------------------------|-----------------------|--------------------|---------------|--|-------------------------|
| 2. | 700 North Adams | P.O. Box 19001 Green Ba | y, WI 54307-9001 | | Sheet | 1 | of2 | |
| | Plant <u>Kewaunee</u> | Nuclear Power Plant | | | Unit <u>N</u> | <u>o. 1</u> | | |
| | N490 HWY 42 K | ewaunee, WI 54216-9510 | | | Work Re | quest Nur | mber <u>208703</u> | |
| 3. | Work Performed E | By Wisconsin Public Service | ce Corp. | | Туре Со | de Symbo | ol Stamp <u>NA</u> | |
| | 700 North Adams | P.O. Box 19001 Green Bay | y, WI 54307-9001 | | Authoriz | ation No. | NA | |
| 4. | Identification of Sy | ystem <u>35</u> Class 2 <u>C</u> | HEMICAL AND VO | DLUME CONTRO | <u>L</u> Expiratio | n Date | NA_ | |
| 5. | (a) Applicable Co | nstruction Code ASME III | CLASS C 1965 | | Code Ca | se <u>N/A</u> | | |
| | | | | | | | | |
| | me of mponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| Со | | | | | | | Replaced, or | Code |

Sheet 2 of 2

Date: <u>11/30/95</u>

Name of Component: <u>AFSI-1A</u>

Work Request Number: <u>208703</u>

| | Certificate of C | ompliance | | |
|---|---|-----------------|-----------------------|-------------------------|
| Ve certify that the statements made | in the report are correct and this | replacemer | nt conforms | s to the rules of the |
| ASME Code Section XI. | | repair or repla | acement | |
| TOWL Gode Geoloff XI. | | | | |
| Type Code Symbol Stamp NA | - Mariana | | | |
| ertificate of Authorization No. | NA Ex | piration Date | NA | |
| signed Phillips & Bulbus | Plant Inserve | 尤 Date | k.0 s | 19 47 |
| Owner or Owner's | Designee, Title | <u>o</u> baic | they ! | |
| | *************************************** | | | |
| | | | | |
| | Certificate of INSERVI | CE INSPEC | TION | |
| the undersigned, holding a valid co | mmission issued by the National | Board of Boile | r and Pressure Ves | sel Inspectors and the |
| tate or Province of Wisconsin and e | employed by Hartford Steam Boile | er Inspection a | nd Ins. Co. of Hartfo | ord, CT have inspected |
| e components described in this Ow | _ | | _ | |
| | | , , | • | • |
| f my knowledge and belief, the Own | | | ctive measures des | scribed in this Owner's |
| eport in accordance with the require | ements of the ASME Code, Section | on XI. | | |
| By signing this certificate neither the | ne Inspector nor his employer ma | kes any warrai | nty, expressed or in | nplied, concerning the |
| xaminations and corrective measure | es described in this Owner's Repo | ort. Furthermo | re, neither the Insp | ector nor his employer |
| hall be liable in any manner for any | personal injury or property damage | ne or a loss of | any kind arising fro | m or connected with |
| nis inspection. | | _ | , | |
| na mapeonon. | | | | |
| | | | | |
| - | | | | |
| 0 mg | Commiss | | I, I, N, IS, A WIS | 100024 |

As Required by the Provisions of the ASME Code Section XI

| 700 North Adam | ns P.O. Box 19001 Green B | ay, WI 54307-9001 | | Sheet | 1 | of2 | ! |
|------------------------------|---|----------------------|---------------------------------|---------------|---------------|----------------------------|-------------------|
| 2. Plant <u>Kewaune</u> | e Nuclear Power Plant | | | Unit <u>N</u> | <u>o. 1</u> | | |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | | | Work Re | equest Nu | ımber <u>208759</u> | |
| 3. Work Performed | By Wisconsin Public Servi | ice Corp. | | Type Co | de Symb | ol Stamp NA | |
| 700 North Adam | ns P.O. Box 19001 Green Ba | ny, WI 54307-9001 | | Authoriz | ation No. | NA_ | |
| 4. Identification of | System <u>06</u> Class 2 <u>M</u> | MAIN STEAM AND | STEAM DUMP | Expiration | on Date . | <u>NA</u> | |
| 5. (a) Applicable 0 | Construction Code B31.1-19 | <u>967</u> | | Code Ca | ase <u>NA</u> | | |
| (h) Applicable [| Edition of Section XI Utilized f | for Ponsire or Penla | cements 1989 | o | | | |
| (b) Applicable i | Edition of Section At Othized 1 | or Repairs or Repia | Celliellis 130 | 2 | | | |
| 6. Identification of | Components Repaired or Re | placed and Replace | ment Compone | nts | | | |
| | | | | | | | |
| Name of | Name of | Manufacturer | National Board No. | Other ID | Year | Repaired, Replaced, or | ASM Code |
| Component | Manufacturer | Serial No. | Board No. | שו | Built | Replacement | Stamp |
| Component MS-100A | Manufacturer WILLIAM POWELL CO. | 62413 | NA | SD026-001 | 1972 | REPAIRED | |
| · | | | | | | | Stamp |
| · | | | | | | | Stamp |
| MS-100A | WILLIAM POWELL CO. | 62413 | NA | SD026-001 | 1972 | REPAIRED | Stam _p |
| · | WILLIAM POWELL CO. | 62413 | NA | SD026-001 | 1972 | REPAIRED | Stam |
| MS-100A | WILLIAM POWELL CO. | 62413 | NA | SD026-001 | 1972 | REPAIRED | Stamp N |
| MS-100A | WILLIAM POWELL CO. | 62413 | NA | SD026-001 | 1972 | REPAIRED | Stamp N |
| MS-100A 7. Description of W | WILLIAM POWELL CO. Work PERFORM VALVE M. I: Hydrostatic | 62413 | NA CLASS 2 MAIN Nominal Opera | SD026-001 | 1972 STEAM | REPAIRED DUMP 3" VALVE MS | Stamp N |

Sheet 2 of 2

Date: 06/18/97

Name of Component: MS-100A
Work Request Number: 208759

| ompliance | |
|---------------|--------------------------------|
| repaired | _ conforms to the rules of the |
| | _ somethis to the fales of the |
| | |
| piration Date | NA |
| t Date July | , 19 97 |
| | · . |
| _ | repair or replacement |

State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period Tolerand to Ture 30,1997, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| Roger Mitguin | Commissions | NB7741, I, N, IS, A WIS 38 / 100024 |
|-----------------------------|-------------|---|
| Inspector's fignature Date | | National Board, State, Province, and Endorsements |
| <i>J</i> | | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wisconsi | in Public Service Corp. | | | Date <u>C</u> | 06/21/96 | | |
|--|---|--|---|---------------------|---------------------------|---|-------------------------|
| 700 North Adams | P.O. Box 19001 Green Bay, | . WI 54307-9001 | | Sheet | 1 | of2 | · |
| 2. Plant <u>Kewaunee</u> | Nuclear Power Plant | | | Unit <u>I</u> | No. 1 | | |
| N490 HWY 42 K | Kewaunee, WI 54216-9510 | | | Work R | equest Nu | mber <u>209062</u> | |
| 3. Work Performed E | By Wisconsin Public Servic | e Corp. | | Type Co | ode Symbo | I Stamp <u>N/A</u> | |
| 700 North Adams | P.O. Box 19001 Green Bay, | WI 54307-9001 | | Authoriz | zation No. | NA | |
| 4. Identification of Sy | vstem <u>35</u> Class 2 . <u>C</u> | HEMICAL AND VC | LUME CONTRO | <u>L</u> Expiration | on Date | NA | |
| 5. (a) Applicable Con | nstruction Code ASME III | CLASS C 1965 | | Code C | ase <u>NA</u> | | |
| (b) Applicable Ed | lition of Section XI Utilized for | Repairs or Replace | ments <u>1989</u> | • | | | |
| C. Idankie akian af C. | | and and Paniscome | ent Componente | | | | |
| 6. Identification of Co | omponents Repaired or Repla- | ced and Replaceme | in Components | | | | |
| | | | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| | | Manufacturer | National | | | Replaced, or | Code |
| Component | Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. 101072 R ASSEMBLY ON | National Board No. 1172 | 00097 | 1969 | Replaced, or Replacement REPLACEMENT | Code Stamped Y |
| Component AFSI-1A | Manufacturer COMMERCIAL FILTERS ork REPLACE THE FILTE INJECTION FILTER 1 | Manufacturer Serial No. 101072 R ASSEMBLY ON | National Board No. 1172 | 00097 | 1969 | Replaced, or Replacement REPLACEMENT | Code Stamped Y |
| Component AFSI-1A 7. Description of Wo | Manufacturer COMMERCIAL FILTERS ork REPLACE THE FILTE INJECTION FILTER 1/2 Hydrostatic F | Manufacturer Serial No. 101072 R ASSEMBLY ON A. | National Board No. 1172 CLASS 2 CHEMIC | 00097 | Built 1969 DLUME CO | Replaced, or Replacement REPLACEMENT ONTROL SYSTEM SE | Code Stamped Y |

Sheet 2 of 2

Date: 06/21/96

Name of Component: AFSI-1A

| Certificate of Compliance | |
|--|-----|
| We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the | |
| ASME Code, Section XI. repair or replacement | |
| | |
| Type Code Symbol Stamp N/A | |
| Certificate of Authorization No. NA Surjection Data NA | |
| Certificate of Authorization No. NA Expiration Date NA | — |
| Signed Phillip C. Buken Engrection analyst Date July 1 19 97 | |
| 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected | |
| the components described in this Owner's Report during the period <u>Tuly 1, 1995</u> to <u>Tune 30, 1997</u> , and state that to the best | |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's | |
| Report in accordance with the requirements of the ASME Code, Section XI. | |
| | |
| By signing this certificate neither the Inspoctor nor his employer makes any warranty, expressed or implied, cencerning the | |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer | |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with | |
| this inspection. | |
| <i>:</i> | |
| | |
| Koga Motguin Commissions NB7741, I. N. IS, A WIS 38 / 100024 | |
| Inspector's Signature National Board, State, Province, and Endorseme | nts |
| Date | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscon: | sin Public Service Corp. | | • | Date 0 | 3/19/96 | | |
|---|--|---|--|------------------------------------|---------------------------|--|-------------------------|
| 700 North Adam | ns P.O. Box 19001 Green | Bay, WI 54307-9001 | L | Sheet | 1 | of2 | <u>?</u> |
| 2. Plant Kewaune | e Nuclear Power Plant | | | Unit <u>I</u> | No. 1 | | |
| N490 HWY 42 | Kewaunee, WI 54216-951 | <u>o</u> | | Work R | equest Nu | ımber <u>209226</u> | |
| 3. Work Performed | By <u>Wisconsin Public Ser</u> | rvice Corp. | | Туре С | ode Symb | ol Stamp <u>NA</u> | |
| 700 North Adam | ns P.O. Box 19001 Green E | Bay, WI 54307-9001 | | Authoria | zation No. | NA | |
| 4. Identification of \$ | System 35 Class 2 | CHEMICAL AND VO | DLUME CONTRO | <u>)L</u> Expirati | on Date | NA | |
| 5. (a) Applicable C | Construction Code <u>NA</u> | | | Code C | ase <u>N/A</u> | | |
| (b) Applicable E | Edition of Section XI Utilized | d for Repairs or Repla | acements 1989 | ! | | | |
| | • | | | | | | |
| 6. Identification of 0 | Components Repaired or R | Replaced and Replace | ement Componen | ts | | | |
| 6. Identification of 0 Name of Component | Components Repaired or R Name of Manufacturer | Manufacturer Serial No. | ement Componen National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| Name of | Name of | Manufacturer | National | Other | | Replaced, or | Code |
| Name of Component | Name of Manufacturer AJAX IRON WORKS /ork REPAIR PLUNGER CHARGING PUMP | Manufacturer Serial No. 6577 SEAL ASSEMBLIES | National Board No. NA | Other ID 00077 HEMICAL AN | Built 1967 ND VOLUM | Replaced, or Replacement REPAIRED | Code Stamped N |
| Name of Component APCH-1C 7. Description of W | Name of Manufacturer AJAX IRON WORKS /ork REPAIR PLUNGER CHARGING PUMP | Manufacturer Serial No. 6577 SEAL ASSEMBLIES | Natiorial Board No. NA ON CLASS 2 C | Other ID 00077 HEMICAL AN | Built 1967 ND VOLUM | Replaced, or Replacement REPAIRED ME CONTROL SYS | Code Stamped N |

Sheet 2 of 2

Date: 03/19/96

Name of Component: <u>APCH-1C</u>
Work Request Number: <u>209226</u>

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| repair or replacement ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukes Inspection analyst Date July 1 , 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1995 to June 30 1917, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 10002 4 Inspector's signature National Board, State, Province, and Endorsements |
| Date <u>Value</u> 19 <u>77</u> |

As Required by the Provisions of the ASME Code Section XI

| 700 North Adar | ns P.O. Box 19001 Green Bay | , WI 54307-9001 | | Sheet | 1 | of2_ | |
|--|---|---|--|----------------------|----------------------|---|--------------------------|
| 2. Plant <u>Kewaun</u> | ee Nuclear Power Plant | | | Unit <u>I</u> | <u>No. 1</u> | | - |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | | | Work R | equest Nu | mber <u>209310</u> - | |
| 3. Work Performo | d By Wisconsin Public Service | ce Corp. | | Type Co | ode Symbo | l Stamp <u>N/A</u> | |
| 700 North Adar | ns P.O. Box 19001 Green Bay | WI 54307-9001 | | Authoriz | zation No. | NA | |
| 4. Identification of | System 35 Class 2 C | CHEMICAL AND VO | LUME CONTRO | <u>)L</u> Expiration | on Date | NA | |
| 5. (a) Applicable (| Construction Code <u>ASME III</u> | CLASS C 1965 | | Code C | ase <u>NA</u> | | |
| (b) Applicable | Edition of Section XI Utilized for | Repairs or Replace | ments <u>1989</u> | , | | | - |
| | | | | | | | |
| 6. Identification of | Components Repaired or Repla | ced and Replaceme | ent Components | - | | | - |
| 6. Identification of | Components Repaired or Repla | ced and Replaceme | ent Components | | | | ŕ |
| 6. Identification of Name of Component | Components Repaired or Repla Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacament | ASME Code Starnpec |
| Name of | Name of | Manufacturer | National | | | Replaced, or | Code |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | 1D | Built | Replaced, or Replacament | Code Starnped |
| Name of Component | Name of Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. 101072 | National Board No. 1172 | 00097 | Built 1969 | Replaced, or Replacament REPLACEMENT | Code Starnped Y |
| Name of Component AFSI-1A | Name of Manufacturer COMMERCIAL FILTERS Vork REPLACE THE FILTE INJECTION FILTER 1/2 | Manufacturer Serial No. 101072 | National Board No. 1172 | 00097 CAL AND VO | Built 1969 | Replaced, or Replacament REPLACEMENT | Code Starnped Y |
| Name of Component AFSI-1A 7. Description of V | Name of Manufacturer COMMERCIAL FILTERS Vork REPLACE THE FILTE INJECTION FILTER 1/2 d: Hydrostatic F | Manufacturer Serial No. 101072 R ASSEMBLY ON 6 | National Board No. 1172 CLASS 2 CHEMI | 00097 CAL AND VO | Built 1969 DLUME CC | Replaced, or Replacament REPLACEMENT ONTROL SYSTEM SE | Code Starnpe Y |

Sheet 2 of 2

Date: <u>04/01/96</u>

Name of Component: <u>AFSI-1A</u>

Work Request Number: <u>209310</u>

| Certificate of Compliance |
|--|
| We certify that the statements made in the report are correct and thisconforms to the rules of the |
| ASME Code, Section XI. |
| Type Code Symbol Stamp N/A |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukes Inspection analyst Date July 1 , 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>July 1, 1995</u> to <u>June 30, 1997</u> , and state that to the best |
| of my knowledge and bolief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Cede, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I. N. IS, A WIS 38 / 1000 24 Inspector's signature National Board, State, Province, and Endorsements |

As Required by the Provisions of the ASME Code Section XI

| | | | | Date <u>0</u> | 6/18/97 | | |
|----------------------|----------------------------|----------------------------|-----------------------|---------------|---------------|--|------------------------|
| 700 North Adar | ms P.O. Box 19001 Green B | Bay, WI 54307-9001 | | Sheet | 1 | of2 | <u> </u> |
| 2. Plant Kewaun | ee Nuclear Power Plant | | | Unit <u>N</u> | lo. 1 | | |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | <u>2</u> | | Work Re | equest Nu | mber <u>209490</u> | |
| 3. Work Performe | d By Wisconsin Public Serv | vice Corp. | | Туре Со | ode Symb | ol Stamp <u>NA</u> | |
| 700 North Adar | ms P.O. Box 19001 Green B | Bay, WI 54307-9001 | | Authoriz | ation No. | NA | |
| 4. Identification of | System <u>05A</u> Class 2 | FEEDWATER | | Expiration | on Date | NA | |
| 5. (a) Applicable | Construction Code B31.1-1 | 196 <u>7</u> | | Code C | ase <u>NA</u> | | |
| | | | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| | | | | | | Replaced, or | Code |

Sheet 2 of 2

Date: <u>06/18/97</u>

Name of Component: <u>FW-13A</u>

| Certificate of Compliance |
|--|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Buken Inspection Analyst Date July 1997 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>Valy 1, 1995</u> to <u>June 30, 1997</u> , and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 100024 National Board, State, Province, and Endorsements |
| Date |

As Required by the Provisions of the ASME Code Section XI

| Owner <u>Wisconsi</u> | n Public Service Corp. | | | Date <u>12</u> | 200/20 | | |
|--|---|----------------------------|-----------------------------|---------------------|---------------|---|------------------------|
| 700 North Adams | P.O. Box 19001 Green Bay | y, WI 54307-9001 | | Sheet | 1 | of2 | |
| 2. Plant <u>Kewaunee</u> | Nuclear Power Plant | | • | Unit <u>N</u> | <u>o. 1</u> | | |
| N490 HWY 42 K | ewaunee, WI 54216-9510 | | · | Work Re | quest Nu | mber <u>209491</u> | |
| 3. Work Performed B | Wisconsin Public Service | ce Corp. | | Type Coo | de Symbe | el Stamp <u>NA</u> | |
| 700 North Adams | P.O. Box 19001 Green Bay | . WI 54307-9001 | | Authoriza | ntion No. | NA_ | |
| 4. Identification of Sy | stem <u>23</u> Class 2 <u>C</u> | CONTAINMENT SPI | RAY | Expiration | n Date | NA_ | |
| 5. (a) Applicable Cor | nstruction Cede B16.5-19 | <u>967</u> | | Code Ca | se <u>NA</u> | | ` |
| (*) FF | ition of Section XI Utilized for emponents Repaired or Repla | • | | - | | | |
| (*) FF | | • | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| 6. Identification of Co | mponents Repaired or Repla | aced and Replaceme | nt Components National | Other | | Replaced, or | Code |
| 6. Identification of Co Name of Component | Name of Manufacturer WILLIAM POWELL CO. | Manufacturer Serial No. | National Board No. NA | Other ID ICS022-001 | Built 1968 | Replaced, or Replacement REPAIRED STEM 2" VALVE CI- | Code Stamp N |

Sheet 2 of 2

Date: 12/05/96

Name of Component: <u>CI-1003</u>

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this <u>repaired</u> conforms to the rules of the |
| ASME Code, Section XI. |
| Typo Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signod Philip C. Bukes Inspection analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Repert during the period July 1, 1995 to June 38, 1997, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 1000 24 Unspector's Signature National Board, State, Province, and Endorsoments |

As Required by the Provisions of the ASME Code Section XI

| | nsin Public Service Corp. | | | Date <u>00</u> | | | _ |
|---|---|--|---------------------------------------|--------------------|---------------|--|----------------------|
| 700 North Adai | ms P.O. Box 19001 Green Ba | ay, WI 54307-9001 | • | Sheet | | of | 2 |
| 2. Plant Kewaun | ee Nuclear Power Plant | | | Unit <u>N</u> | o. 1 | | |
| N490 HWY 42 | ! Kewaunee WI 54216-9510 | | | Work Re | equest Nu | ımber <u>209492</u> | |
| 3. Work Performe | d By Wisconsin Public Service | ice Corp. | | Туре Со | de Symb | ol Stamp _. <u>N/A</u> | |
| 700 North Adai | ms P.O. Box 19001 Green Ba | ny, WI 54307-9001 | | Authoriz | ation No. | NA_ | |
| 4. Identification of | f Sy ste m <u>35</u> Class 2 <u>C</u> | CHEMICAL AND VO | LUME CONTR | OL Expiration | n Date | NA | |
| 5. (a) Applicable | Construction Code B31.1-19 | 967 | | Code Ca | ise <u>NA</u> | | |
| | | | | • | | | |
| (b) Applicable | Edition of Section XI Hillized for | for Penaire or Renia | comente 198 | a | | | |
| (b) Applicable | Edition of Section XI Utilized for | for Repairs or Repla | cements 198 | <u>9</u> | | | |
| | Edition of Section XI Utilized for Components Repaired or Rep | | | _ | | | |
| | | | | _ | | | |
| | | | | _ | Year Built | Repaired, Replaced, or Replacement | Code |
| 6. Identification of | Components Repaired or Rep | placed and Replace | ment Compone | nts Other | | Replaced, or | ASM Code Stamp |
| 6. Identification of Name of Component | Components Repaired or Rep Name of Manufacturer | placed and Replace Manufacturer Serial No. | ment Compone National Board No. | other | Built | Replaced, or Replacement | Cod Stam |
| 6. Identification of Name of Component | Components Repaired or Rep Name of Manufacturer | placed and Replace Manufacturer Serial No. | ment Compone National Board No. | other | Built | Replaced, or Replacement | Cod Stam |
| 6. Identification of Name of Component CVC-10 | Name of Manufacturer KEROTEST MFG CORP | Manufacturer Serial No. | National Board No. | Other ID CS100-005 | 1973 | Replaced, or Replacement REPAIRED | Cod Stam N |
| 6. Identification of Name of Component CVC-10 | Name of Manufacturer KEROTEST MFG CORP | Manufacturer Serial No. | National Board No. | Other ID CS100-005 | 1973 | Replaced, or Replacement REPAIRED | Cod Stam N |
| 6. Identification of Name of Component | Name of Manufacturer KEROTEST MFG CORP | Manufacturer Serial No. | National Board No. | Other ID CS100-005 | 1973 | Replaced, or Replacement REPAIRED | Cod Stam N |
| 6. Identification of Name of Component CVC-10 | Name of Manufacturer KEROTEST MFG CORP | Manufacturer Serial No. | National Board No. | Other ID CS100-005 | 1973 | Replaced, or Replacement REPAIRED | Cod Stam N |
| 6. Identification of Name of Component CVC-10 | Name of Manufacturer KEROTEST MFG CORP Work DISASSEMBLE AND I | Manufacturer Serial No. NV-143 | National Board No. N/A | Other ID CS100-005 | Built 1973 | Replaced, or Replacement REPAIRED SYSTEM 2" VALV Exempt | Cod Stam N |

Sheet 2 of 2

Date: 06/18/97

Name of Component: CVC-10

Work Request Number: 209492

| Certificate of C | Compliance | | |
|---|---------------------|--------|--------------------|
| We certify that the statements made in the report are correct and thi ASME Code Section XI. | s repaired replacen | | o the rules of the |
| Type Code Symbol Stamp N/A | | | |
| | xpiration Date | NA | |
| Signed Philip C. Bukes Inservice Owner or Owner's Designee, Title | t Date | July 1 | , 19 97 |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period \(\subseteq \frac{144}{1995} \) to \(\subseteq \frac{30,1997}{1995} \), and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| this inspection. | | | |
|-------------------------------------|-------------|-------------|---|
| Kren Monin Inspector's signature | | Commissions | NB7741, I, N, IS, A WIS 38 / / 0002 4 National Board, State, Province, and Endorsements |
| Date July 1 | 9 <u>97</u> | _ | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wisconsin Public Service Corp. | Date <u>06/18/97</u> |
|---|--|
| 700 North Adams P.O. Box 19001 Green Bay, WJ 54307-9001 | Sheet1 of2 |
| 2. Plant Kewaunee Nuclear Power Plant | Unit <u>No. 1</u> |
| N490 HWY 42 Kewaunee, WI 54216-9510 | Work Request Number 209493 |
| 3. Work Performed By Wisconsin Public Service Corp. | Type Code Symbol Stamp NA |
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | Authorization No. NA |
| 4. Identification of System 35 Class 1 CHEMICAL AND VOLUME CONTI | ROL Expiration Date NA |
| 5. (a) Applicable Construction Code <u>B31.1-1967</u> | Code Case <u>NA</u> |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 198 | |
| Identification of Components Repaired or Replaced and Replacement Components | <u>89</u> ents |
| | |
| Identification of Components Repaired or Replaced and Replacement Components | ents Repaired, ASM Other Year Replaced, or Code |
| Identification of Components Repaired or Replaced and Replacement Component Identification of Components Repaired or Replaced and Replacement Component Identification of Name of Manufacturer National Board No. Identification of Manufacturer Serial No. Board No. Identification of Manufacturer National Board No. Identification of Manufacturer National No. Identification of Name | Other Year Repaired, ASM Other Year Replaced, or Code ID Built Replacement Stamp CS100-001 1973 REPAIRED N |

Sheet 2 of 2

Date: <u>06/18/97</u>

Name of Component: CVC-205B

| Certif | icate of Compliance |
|---|--|
| We certify that the statements made in the report are con | rrect and this repaired conforms to the rules of the |
| ASME Code Section XI. | |
| Type Code Symbol Stamp NA | |
| Certificate of Authorization No. NA | Expiration Date NA |
| Signed Philips C. Bukes Inspection Owner or Owner's Designee, Title | analyst Date July 1 19 97 |
| | |
| Certificate of | FINSERVICE INSPECTION |
| | the National Board of Boiler and Pressure Vessel Inspectors and the |
| | I Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| | the period <u>Tuly, 1995</u> to <u>Tune 30, 1997</u> , and state that to the best |
| • | raminations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME | Code, Section XI. |
| By signing this certificate neither the Inspector nor his | employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this (| Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any manner for any personal injury or pro- | operty damage or a loss of any kind arising from or connected with |
| this inspection. | |
| | |
| 0 Tm 4 - | |
| Inspector's Signature | Commissions NB7741, I, N, IS, A WIS 38 / 1000 24 National Board, State, Province, and Endorsements |
| Data 7.1. 1 40 97 | |
| Date | |

As Required by the Provisions of the ASME Code Section XI

| | | | | | 0/04/00 | | |
|--|--|--------------------------------|---|----------------|------------------------|---|-------------------------|
| 1. Owner <u>Wiscons</u> | sin Public Service Corp. | | | Date <u>0</u> | <u>6/24/96</u> | | |
| 700 North Adams | s P.O. Box 19001 Green Bay, | , WI 54307-9001 | | Sheet | 1 | of2 | ··=·· |
| 2. Plant <u>Kewaunee</u> | Nuclear Power Plant | | | Unit <u>N</u> | lo. 1 | | |
| N490 HWY 42 F | Kewaunee, WI 54216-9510 | | | Work Re | equest Nu | mber <u>209796</u> | |
| 3. Work Performed i | By Wisconsin Public Service | e Corp. | | Туре Со | ode Symbo | l Stamp <u>N/A</u> | |
| 700 North Adams | s P.O. Box 19001 Green Bay, | WI 54307-9001 | | Authoriz | ation No. | NA | |
| 4. Identification of Sy | ystem <u>35</u> Class 2 <u>Cl</u> | CHEMICAL AND VO | LUME CONTRO | L Expiration | on Date | <u>NA</u> | |
| 5. (a) Applicable Co | onstruction Code ASME IIIC | CLASS C 1965 | | Code Ca | ase <u>NA</u> | | |
| - | | | | | | | |
| (b) Applicable Ed | dition of Section XI Utilized for I | Repairs or Replace | ments 1989 | | | | |
| .,,,,, | dition of Section XI Utilized for I | • | | | | | |
| .,,,,, | dition of Section XI Utilized for l | • | | | | | |
| .,,,,, | | • | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| 6. Identification of Co | omponents Repaired or Replac | ced and Replaceme | nt Components National | Other | | Replaced, or | Code |
| 6. Identification of Control Name of Component | Name of Manufacturer COMMERCIAL FILTERS Ork OPEN CLASS 2 CHEM VERIFY DIMENSIONS Hydrostatic P | Manufacturer Serial No. 101073 | National Board No. 1173 ME CONTROL SYLACEMENT. Nominal Operati | Other ID 00098 | Built 1969 WATER | Replaced, or Replacement REPLACEMENT INJECTION FILTER 1 | Code Stamped Y |

Sheet 2 of 2

Date: 06/24/96

Name of Component: AFSI-1

Work Request Number: 209796

| Certificate of C | ompliance | |
|--|------------------------|------------------------------|
| 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 replacemer | ıt |
| | • | • |
| Typo Code Symbol Stamp N/A | | |
| Certificate of Authorization No. NA Ex | opiration Date | NA |
| Signed Phillip C. Bukes Inspection analy | ر د _{Date} | hulu 1 . 19 97 |
| Owner or Owner's Designee, Title | | 4.9 |
| | | |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period \(\overline{July}\), \(\overline{1935}\) to \(\overline{July}\), \(\overline{1937}\), and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| Rosen Motion | Commissions | NB7741, I, N, IS, A WIS 38 //00024 |
|-----------------------|-------------|---|
| inspector's Signature | • | National Board, State, Province, and Endorsements |
| Date | _ | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner <u>Wisconsir</u> | n Public Service Corp. | | | Date (| 06/28/96 | | |
|---|---|--|---|-----------------------|-----------------------|--|-------------------------|
| 700 North Adams | P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of2 | |
| 2. Plant Kewaunee N | Nuclear Power Plant | | • | Unit <u>I</u> | No. 1 | | |
| N490 HWY 42 Ke | ewaunee, WI 54216-9510 | , | · | Work R | equest Nu | mber <u>209900</u> | |
| 3. Work Performed By | y Wisconsin Public Serv | vice Corp. | | · Type C | ode Symbe | el Stamp <u>NA</u> | |
| 700 North Adams F | P.O. Box 19001 Green Ba | y, WI 54307-9001 | | Authori | zation No. | NA | |
| 4. Identification of Sys | stem <u>02</u> Class 3 | SERVICE WATER | | Expirati | on Date | <u>NA</u> | |
| 5. (a) Applicable Con | struction Code <u>SECTIO</u> | ON III-1989 ADD | | Code C | ase <u>N-4</u> 1 | <u>16-1</u> | |
| (b) Applicable Edit | tion of Section XI Utilized fo | or Repairs or Replace | ments <u>1989</u> | <u>)</u> | | | |
| | | | | | | | |
| 6. Identification of Cor | mponents Repaired or Rep | laced and Replaceme | ent Components | | | | |
| 6. Identification of Cor | mponents Repaired or Rep | olaced and Replaceme | ent Components | | | | |
| 6. Identification of Cor Name of Component | mponents Repaired or Rep Name of Manufacturer | olaced and Replaceme Manufacturer Serial No. | ent Components National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| Name of | Name of | Manufacturer | National | | | Replaced, or | Code |
| Name of Component | Name of Manufacturer USS TUBULAR PRODUCTS | Manufacturer Serial No. NO7998 | National Board No. NA | NA | 1990 | Replaced, or Replacement | Code Stamped N |
| Name of Component SW PIPE | Name of Manufacturer USS TUBULAR PRODUCTS | Manufacturer Serial No. NO7998 | National Board No. NA | NA NA ER SYSTEM | 1990 | Replaced, or Replacement REPLACEMENT | Code Stamped N |
| Name of Component SW PIPE 7. Description of World | Name of Manufacturer USS TUBULAR PRODUCTS k WELDED REPLACE SW-30B2. | Manufacturer Serial No. NO7998 | National Board No. NA SERVICE WATE | NA NA ER SYSTEM | Built 1990 3" PIPE UF | Replaced, or Replacement REPLACEMENT PSTREAM OF 3" VAL Exempt | Code Stamped N |

Sheet 2 of 2

Date: 06/28/96

Name of Component: <u>SW PIPE</u>

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this replacement conforms to the rules of the |
| ASME Code, Section XI. |
| |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukes Enspection Analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period Tuly 1, 1995 to Tune 30 1997, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Repert in accordance with the requirements of the ASME Code, Section XI. |
| |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, corrcerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any mariner for any personal irijury or property damage or a loss of any kind arising from or connected with |
| this inspection. |
| |
| Commissions NB7741, I, N, IS, A WIS 38 //000 24 Inspector's signature Date |

As Required by the Provisions of the ASME Code Section ${\bf XI}$

| 700 North Adams | P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | Sheet1 of2 | | | |
|--|--|------------------------------------|-------------------------|---------------------|---------------|--|-------------------------|--|
| 2. Plant <u>Kewaunee l</u> | Nuclear Power Plant | | · | Unit <u>1</u> | No. 1 | | | |
| N490 HWY 42 K | ewaunee, WI 54216-9510 | | • | Work R | equest Nu | mber <u>209985</u> | | |
| 3. Work Performed B | y Wisconsin Public Serv | vice Corp. | | Туре Со | ode Symbo | ol Stamp <u>NA</u> | | |
| 700 North Adams | P.O. Box 19001 Green Ba | ıy, WI 54307-9001 | | Authoriz | zation No. | NA | | |
| 4. Identification of Sys | stem <u>35</u> Class 2 | CHEMICAL AND VO | LUME CONTRO | <u>L</u> Expiration | on Date | NA | | |
| 5. (a) Applicable Con | struction Code <u>NA</u> | | | Code C | ase <u>NA</u> | | | |
| | tion of Section XI Utilized fo | | | , | | | | |
| | tion of Section XI Utilized for mpenents Repaired or Rep Name of Manufacturer | | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped | |
| 6. Identification of Con | mpenents Repaired or Rep | olaced arid Replaceme | nt Components National | Other | | Replaced, or | Code | |
| 6. Identification of Con Name of Component | mpenents Repaired or Rep Name of Manufacturer AJAX IRON WORKS | Manufacturer Serial No. 6578 | National Board No. | Other ID 00075 | Built 1967 | Replaced, or Replacement REPAIRED | Code Stamped | |
| 6. Identification of Con Name of Component APCH-1A | Name of Manufacturer AJAX IRON WORKS | Manufacturer Serial No. 6578 | National Board No. | Other ID 00075 | Built 1967 | Replaced, or Replacement REPAIRED | Code Stamped | |

Sheet 2 of 2

Date: 09/16/96

Name of Component: APCH-1A

| Codificate (C |
|---|
| Certificate of Compliance We certify that the statements made in the report are correct and this repaired conforms to the rules of the |
| |
| ASME Code, Section XI. repair or replacement |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phellac Bukes Inspection analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1, 1995 to June 30, 1997 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any mariner for any parsonal injury or property damage or a loss of any kind arising from or connected with |
| this inspection. |
| Commissions NB7741. I. N. IS. A WIS 38 / 100034 National Board, State, Province, and Endorsements Date July 19 97 |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner <u>Wiscon</u> | sin Public Service Corp. | | | Date 0 | 06/18/97 | | |
|--|--|---------------------------------------|---------------------------------------|--------------------------|--------------------|--|-------------------------|
| 700 North Adam | ns P.O. Box 19001 Green Ba | ay, WI 54307-9001 | Ĺ | Sheet | 1 | of | 2 |
| 2 Plant Kewaune | e Nuclear Power Plant | | | Unit M | No. 1 | | |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | | - | Work R | equest N | umber <u>210233</u> | |
| 3. Work Performed | By Wisconsin Public Service | ice Corp. | * . | Type Co | ode Symb | ool Stamp <u>NA</u> | |
| 700 North Adam | ns P.O. Box 19001 Green Ba | ıy, WI 54307-9001 | | Authoriz | zation No. | NA_ | |
| 4. Identification of S | System <u>06</u> Class 2 <u>M</u> | MAIN STEAM AND | STEAM DUMP | Expiration | on Date | NA_ | |
| 5. (a) Applicable C | construction Code <u>B31.1-19</u> | <u>967</u> | | Code Ca | ase <u>NA</u> | | |
| (w)pp.10abic 0 | | | | | | | |
| | dition of Section XI Utilized fo | or Repairs or Repla | cements 1989 | 9 | | | |
| (b) Applicable E | | | · | _ | | | |
| (b) Applicable E | dition of Section XI Utilized for Components Repaired or Rep | | · | _ | | | |
| (b) Applicable E | | | · | _ | | | |
| (b) Applicable E | | | · | _ | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| (b) Applicable E 6. Identification of C Name of | Components Repaired or Rep | Manufacturer Serial No. | ment Compone | other | | Replaced, or | Code |
| (b) Applicable E 6. Identification of C Name of Component | Components Repaired or Rep Name of Manufacturer | Manufacturer Serial No. | ment Compone National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamped |
| (b) Applicable E 6. Identification of C Name of Component | Components Repaired or Rep Name of Manufacturer | Manufacturer Serial No. | ment Compone National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamped |
| (b) Applicable E 6. Identification of C Name of Component | Components Repaired or Rep Name of Manufacturer FISHER CONTROLS CO. | Manufacturer Serial No. | Mational Board No. | Other ID SD022-001 | Built 1969 | Replaced, or Replacement REPAIRED | Code Stamped |
| (b) Applicable E 6. Identification of C Name of Component SD-3A | Name of Manufacturer FISHER CONTROLS CO. | Manufacturer Serial No. | Mational Board No. | Other ID SD022-001 | Built 1969 | Replaced, or Replacement REPAIRED | Code Stamped |
| (b) Applicable E 6. Identification of C Name of Component SD-3A | Name of Manufacturer FISHER CONTROLS CO. | Manufacturer Serial No. 4950741 | Mational Board No. | Other ID SD022-001 | Built 1969 | Replaced, or Replacement REPAIRED | Code Stamped |
| (b) Applicable E 6. Identification of C Name of Component SD-3A 7. Description of Wo | Name of Manufacturer FISHER CONTROLS CO. | Manufacturer Serial No. 4950741 | Mational Board No. NA | Other ID SD022-001 | Built 1969 DUMP 6 | Replaced, or Replacement REPAIRED VALVE SD-3A. | Code Stamped |
| (b) Applicable E 6. Identification of C Name of Component SD-3A 7. Description of Wo | Name of Manufacturer FISHER CONTROLS CO. | Manufacturer Serial No. 4950741 | Mational Board No. NA | Other ID SD022-001 | Built 1969 DUMP 6 | Replaced, or Replacement REPAIRED VALVE SD-3A. | Code Stamped |

Sheet 2 of 2

Date: <u>06/18/97</u>

Name of Component: SD-3A

| Certificate of Co | ompliance | |
|---|------------------------------|------------------------------------|
| We certify that the statements made in the report are correct and this | repaired | _ conforms to the rules of the |
| ASME Code Section XI. | repair or replacement | to the fales of the |
| Type Code Symbol Stamp NA | | |
| Certificate of Authorization No. NA Exp | piration Date | NA |
| Signed Philip & Bukes Float Inspection Araby Owner or Owner's Designee, Title | Date | ly 1 , 19 97 |
| | | |
| Certificate of INSERVIC | | • |
| I, the undersigned, holding a valid commission issued by the National B | oard of Boiler and Pres | sure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler | Inspection and Ins. Co. | of Hartford, CT have inspected |
| the components described in this Owner's Report during the period | 41, 1995 to June 30 | 2.(977) and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and | / I taken corrective meas | cures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section | XI. | |
| By signing this certificate neither the Inspector nor his employer make | s any warranty, expres | sed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. | . Furthermore, neither i | the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damage | or a loss of any kind ar | ising from or connected with |
| this inspection. | tina an | ioning from or confrected with |
| | • | |
| Logn Moture Commission | | A WIS 38 / /00024 |
| nspector's Signature | National Board, St | ate, Province, and Endorsements |
| Date | | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscons | sin Public Service Corp. | • | | Date <u>0</u> | 3/21/97 | | Date <u>03/21/97</u> | | | | |
|---|---|---|---------------------------------------|--------------------------------------|---------------------------|---|-----------------------------|--|--|--|--|
| 700 North Adam | ns P.O. Box 19001 Green E | Bay, WI 54307-9001 | | Sheet | Sheet of2 | | | | | | |
| 2. Plant <u>Kewaune</u> | Plant <u>Kewaunee Nuclear Power Plant</u> | | | | | Unit No. 1 | | | | | |
| N490 HWY 42 | N490 HWY 42 Kewaunee, WI 54216-9510 Work Performed By Wisconsin Public Service Corp. | | | | equest Nu | mber <u>210352</u> | | | | | |
| 3. Work Performed | | | | | ode Symb | ol Stamp NA | * | | | | |
| 700 North Adam | ns P.O. Box 19001 Green B | say, WI 54307-9001 | | Authoria | ation No. | <u>NA</u> | | | | | |
| 4. Identification of S | System <u>35</u> Class 2 | CHEMICAL AND VO | DLUME CONTRO | <u>)L</u> Expirati | on Date | <u>NA</u> | | | | | |
| 5. (a) Applicable C | Construction Code SEC.III | CL2-1980 ADD | | Code C | ase <u>NA</u> | | | | | | |
| | Tulkian at Caption VI I Hillman | for Renairs or Renla | cements 1989 | | | | | | | | |
| (b) Applicable E | Edition of Section XI Utilized | Tor repairs or repra | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| | | | | ts | | | | | | | |
| | Components Repaired or Re | | | ts _. | | 1 | | | | | |
| | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | Code | | | | |
| 6. Identification of 0 | Components Repaired or Re | eplaced and Replace Manufacturer | ement Componen | Other | | Replaced, or | ASME Code Stampe Y | | | | |
| 6. Identification of (Name of Component | Components Repaired or Re Name of Manufacturer | eplaced and Replace Manufacturer Serial No. | Mational Board No. | Other ID | Built | Replaced, or Replacement | Code Stamp | | | | |
| 6. Identification of (Name of Component | Components Repaired or Re Name of Manufacturer GREER HYDRAULICS | Manufacturer Serial No. GH1-10234 | National Board No. | Other ID 162-935 | Built 1981 | Replaced, or Replacement REPAIRED | Code Stamp Y | | | | |
| 6. Identification of 0 Name of Component APSS-1A | Name of Manufacturer GREER HYDRAULICS //ork REBUILD CLASS 2 (STABILIZER. | Manufacturer Serial No. GH1-10234 | National Board No. | Other ID 162-935 L SYSTEM C | Built 1981 CHARGING | Replaced, or Replacement REPAIRED | Code Stamp Y | | | | |
| 6. Identification of 0 Name of Component APSS-1A 7. Description of W | Name of Manufacturer GREER HYDRAULICS //ork REBUILD CLASS 2 (STABILIZER. | Manufacturer Serial No. GH1-10234 | National Board No. 568 | Other ID 162-935 L SYSTEM C | Built 1981 CHARGING | Replaced, or Replacement REPAIRED G PUMP 1A SUCTION Exempt | Code Stamp Y | | | | |

Sheet 2 of 2

Date: 03/21/97

Name of Component: <u>APSS-1A</u>
Work Request Number: <u>210352</u>

| | Certificate of Co | mpliance | |
|--|------------------------------------|------------------|------------------------------|
| We certify that the statements made in | the report are correct and this | repaired | conforms to the rules of the |
| ASME Code Section XI. | | repair or replac | |
| Type Code Symbol Stamp NA | | | |
| Certificate of Authorization No. | NA Exp | iration Date | NA |
| Signed Phill of Aubani | Plant Inserve Inspection analys | た Date | Nuly 1 , 19 97 |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period \(\frac{\text{Tuty}1, /975}{\text{to}\text{Tuty}20, 1997}\), and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| | Rom Mitain | | Cornrnissions | NB7741, I, N, IS, A WIS 38 //00024 |
|------|---------------------|--------------|---------------|---|
| | Inspector Signature | | | National Board, State, Province, and Endorsements |
| Date | July 1 | 19 <u>97</u> | | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner <u>Wiscon</u> | nsin Public Service Corp. | | | | Date <u>09/10/96</u> Sheet <u>1</u> of <u>2</u> | | | |
|---|---|---|-----------------------------------|--------------------|---|---|----------------------|--|
| 700 North Adam | ns P.O. Box 19001 Green Bay, | . WI 54307-9001 | | Sheet | | | | |
| 2. Plant <u>Kewaune</u> | ee Nuclear Power Plant | | • | Unit <u>I</u> | <u>No. 1</u> | | | |
| N490 HWY 42 | ! Kewaunee, WI 54216-9510 | • | | Work R | equest Nu | mber <u>210433</u> | | |
| 3. Work Performed | d By Wisconsin Public Service | e Corp. | - | Type Co | ode Symbe | el Stamp <u>NA</u> | | |
| 700 North Adam | ns P.O. Box 19001 Green Bay. | WI 54307-9001 | | Authoria | zation No. | NA | | |
| 4. Identification of | System <u>35</u> Class 2 <u>C</u> | HEMICAL AND VO | LUME CONTRO | <u>)L</u> Expirati | on Date | NA | | |
| 5. (a) Applicable 0 | Construction Code ASME IIII | CLASS C 1965 | | Code C | ase <u>NA</u> | | | |
| | | | | | | , | | |
| (h) Amaliaahla l | Edition of Continu VI Hilliand for | Banaira er Banisse | mente 1000 | | | | | |
| (b) Applicable I | Edition of Section XI Utilized for | Repairs or Replace | ments <u>1969</u> | ! | | | | |
| | Edition of Section XI Utilized for Components Repaired or Replace | • | | | | | | |
| | | • | | | | | | |
| | | • | | | | Repaired, | ASM | |
| | | • | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASM Code Stamp | |
| 6. Identification of | Components Repaired or Replace | ced and Replaceme | nt Components National | Other | | Replaced, or | Code | |
| 6. Identification of Name of Component | Components Repaired or Replace Name of Manufacturer | ced and Replaceme Manufacturer Serial No. | nt Components National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamp | |
| 6. Identification of Name of Component AFSI-1A | Components Repaired or Replace Name of Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. | National Board No. | Other ID 00097 | Built 1969 | Replaced, or Replacement REPLACEMENT | Code Stamp Y | |
| 6. Identification of Name of Component | Components Repaired or Replace Name of Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. | National Board No. | Other ID 00097 | Built 1969 | Replaced, or Replacement REPLACEMENT | Cod Stam Y | |
| 6. Identification of Name of Component AFSI-1A | Components Repaired or Replace Name of Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. | National Board No. | Other ID 00097 | Built 1969 | Replaced, or Replacement REPLACEMENT | Code Stamp | |
| 6. Identification of Name of Component AFSI-1A | Name of Manufacturer COMMERCIAL FILTERS Vork REPLACE O-RING ON FILTER 1A. | Manufacturer Serial No. | National Board No. | Other ID 00097 | Built 1969 | Replaced, or Replacement REPLACEMENT | Cod Stam Y | |
| 6. Identification of Name of Component AFSI-1A 7. Description of V | Name of Manufacturer COMMERCIAL FILTERS Vork REPLACE O-RING ON FILTER 1A. | Manufacturer Serial No. 101072 | National Board No. 1172 | Other ID 00097 | Built 1969 L SYSTEM | Replaced, or Replacement REPLACEMENT M SEAL WATER INJEE Exempt | Cod Stam Y | |

Sheet 2 of 2

Date: 09/10/96

Name of Component: <u>AFSI-1A</u>

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the |
| ASME Code, Section XI. repair or replacement |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA Plant Inservee Signed Phillip C Bukes Frequence Wahrat Date 1997 |
| 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period Tuly 1, 1995 to Tune 30, 1997, and state that to the best |
| of my knowledge and bolief, the Owner has porformed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 100024 Inspector's signature National Board, State, Province, and Endorsements |
| Date |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner <u>Wisco</u> | nsin Public Service Corp. | | | Date 1 | <u>2/05/96</u> | | |
|---|--|--|-----------------------------------|----------------------|--------------------------|---|----------------------|
| 700 North Adar | ns P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of2 | |
| 2. Plant <u>Kewaun</u> | ee Nuclear Power Plant | | | Unit <u>1</u> | No. 1 | | |
| N490 HWY 42 | ! Kewaunee, W! 54216-9510 | ! | | Work R | equest Nu | mber <u>210439</u> | |
| 3. Work Performed | d By Wisoonsin Public Serv | vice Corp. | | Туре Со | ode Symbo | ol Stamp <u>NA</u> | |
| 700 North Adar | ms P.O. Box 19001 Green Ba | ay, WI 54307-9001 | - | Authoriz | ation No. | <u>NA</u> | |
| 4. Identification of | System 35 Class 2 | CHEMICAL AND VO | LUME CONTRO | <u>)L</u> Expiration | on Date | <u>NA</u> | |
| 5. (a) Applicable (| Construction Code <u>NA</u> | | | Code Ca | ase <u>NA</u> | | |
| | | | | | | | |
| (b) Applicable | Edition of Section XI Utilized for | or Repairs or Replace | ments <u>1989</u> | | | | |
| ., | Edition of Section XI Utilized for Components Repaired or Rep | | | ! | | | |
| ., | | | | ! | | | |
| ., | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASM Code Stamp |
| 6. Identification of | Components Repaired or Rep | placed and Replaceme Manufacturer | nt Components National | Other | | Replaced, or | Code |
| 6. Identification of Name of Component | Components Repaired or Rep Name of Manufacturer | placed and Replaceme Manufacturer Serial No. | nt Components National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamp |
| 6. Identification of Name of Component | Components Repaired or Rep Name of Manufacturer AJAX IRON WORKS | Manufacturer Serial No. | National Board No. | Other ID 00075 | 1967 | Replaced, or Replacement REPAIRED | Code Stamp |
| 6. Identification of Name of Component | Components Repaired or Rep Name of Manufacturer AJAX IRON WORKS | placed and Replaceme Manufacturer Serial No. | National Board No. | Other ID 00075 | 1967 | Replaced, or Replacement REPAIRED | Code Stamp |
| 6. Identification of Name of Component APCH-1A | Components Repaired or Rep Name of Manufacturer AJAX IRON WORKS | Manufacturer Serial No. | National Board No. | Other ID 00075 | 1967 | Replaced, or Replacement REPAIRED | Code Stamp |
| 6. Identification of Name of Component APCH-1A 7. Description of V | Name of Manufacturer AJAX IRON WORKS | Manufacturer Serial No. | National Board No. | Other ID 00075 | 1967 | Replaced, or Replacement REPAIRED | Code Stamp |
| 6. Identification of Name of Component APCH-1A | Name of Manufacturer AJAX IRON WORKS | Manufacturer Serial No. 6578 | National Board No. NA | Other ID 00075 | Built 1967 ROL SYS | Replaced, or Replacement REPAIRED TEM CHARGING PL Exempt | Code Stamp |

Sheet 2 of 2

Date: 12/05/96

Name of Component: <u>APCH-1A</u>

Work Request Number: <u>210439</u>

Certificate of Compliance

We certify that the statements made in the report are correct and this repaired conforms to the rules of the repair or replacement

Type Code Symbol Stamp NA

Certificate of Authorization No. NA Expiration Date NA

Signed Philips C. Bukes Inspection analyst Date 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period <u>July 1, 1995</u> to <u>June 30,1997</u>, and state that to the bost of my knowledge and belief, the Owner has porformed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

| 1. Owner Wisconsin F | Public Service Corp. | | | Date 0 | 9/20/96 | | | | |
|---|--|----------------------------------|---|-----------------|----------------------|--|-------------------------|--|--|
| 700 North Adams P | O. Box 19001 Green Bay. | WI 54307-9001 | | Sheet | Sheet1 of2 | | | | |
| 2. Plant Kewaunee Nu | lant <u>Kewaunee Nuclear Power Plant</u> | | | | | Unit No. 1 | | | |
| N490 HWY 42 Kew | vaunee, WI 54216-9510 | | | Work Re | quest Nur | m ber <u>210528</u> | | | |
| 3. Work Performed By | Wisconsin Public Service | Corp. | | Туре Со | de Symbo | l Stamp <u>NA</u> | | | |
| 700 North Adams P. | O. Box 19001 Green Bay. | WI 54307-9001 | • | Authoriz | ation No. | NA | | | |
| 4. Identification of Syste | em <u>35</u> Class 2 <u>Cl</u> | HEMICAL AND VO | LUME CONTRO | OL Expiratio | n Date | NA_ | | | |
| 5. (a) Applicable Const | truction Code <u>B31.1-196</u> | <u>57</u> | - | Code Ca | se <u>NA</u> | | | | |
| 6. Identification of Comp | ponents Repaired or Replac | ed and Replaceme | nt Components | | | | | | |
| Name of N | ponents Repaired or Replace lame of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped | | |
| Name of N Cornponent N CVC-4A G | lame of | Manufacturer | National | | | Replaced, or | Code | | |
| Name of N Cornponent N CVC-4A G | lame of Manufacturer GRINNELL FIRE PROTECTION SYSTEMS | Manufacturer Serial No. NF | National Board No. NA | ID CS033-007 | Built 1973 | Replaced, or Replacement REPLACEMENT | Code Stamped N | | |
| Name of N Cornponent N CVC-4A G P | lame of Manufacturer GRINNELL FIRE PROTECTION SYSTEMS CO. REPLACED BONNET A CVC-4A. | Manufacturer Serial No. NF | National Board No. NA | CS033-007 | Built 1973 | Replaced, or Replacement REPLACEMENT | Code Stamped N | | |
| Name of N Cornponent N CVC-4A G P C | Name of Manufacturer GRINNELL FIRE PROTECTION SYSTEMS CO. REPLACED BONNET / CVC-4A. Hydrostatic P | Manufacturer Serial No. NF | National Board No. NA ON CLASS 2 C | CS033-007 | Built 1973 O VOLUM | Replaced, or Replacement REPLACEMENT E CONTROL SYSTE Exempt | Code Stamped N | | |

Sheet 2 of 2

Date: <u>09/20/96</u>

Name of Component: CVC-4A

Work Request Number: 210528

| Certificate of Compliance |
|--|
| We certify that the statements made in the report are correct and this <u>replacement</u> conforms to the rules of the |
| ASME Code, Section XI. |
| |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukes Impection analyst Date |
| 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>Tuly</u> 1, 1995 to <u>Tune</u> 30, 1997 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with. |
| this inspection. |
| · |
| |
| Mynin Commissions NB7741, I, N, IS, A WIS 38 / 100024 |
| Inspector's signature National Board, State, Province, and Endorsements |
| Date |

As Required by the Provisions of the ASME Code Section XI

| | nsin Public Service Corp. | \All E4207.0004 | ~- | Chast | | of . | 2 |
|--|--|-------------------------------------|-----------------------------|--------------------|----------------------|--|------------------------|
| 700 North Ada | ms P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of: | <u>2</u> . |
| 2. Plant <u>Kewaun</u> | nee Nuclear Power Plant | | | Unit <u>N</u> | <u>lo. 1</u> | | |
| N490 HWY 42 | 2 Kewaunee, WI 54216-9510 | | | Work Re | equest Nu | mber <u>210551</u> | |
| 3. Work Performe | ed By Wisconsin Public Service | ce Corp. | | Туре Со | ode Symbo | ol Stamp <u>NA</u> | |
| 700 North Ada | ms P.O. Box 19001 Green Ba | y, WI 54307-9001 | | Authoriz | ation No. | NA | |
| 4. Identification of | f Systern <u>06</u> Class 2 <u>M</u> | MAIN STEAM AND | STEAM DUMP | Expiration | on Date | NA | |
| 5. (a) Applicable | Construction Code B31.1-19 | <u>967</u> | | Code Ca | ase <u>NA</u> | | |
| | Edition of Section XI Utilized for f Components Repaired or Rep | | | _ | | | |
| 6. Identification of | | | | _ | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| 6. Identification of | f Components Repaired or Rep | placed and Replace | ment Compone | rits Other | | Replaced, or | Code |
| Name of Cornponent SD-1B1 7. Description of \(\) | Name of Manufacturer DRESSER INDUSTRIAL VALVE & INSTRUMENT | Manufacturer Serial No. 07884 | National Board No. NA | Other ID SD023-006 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stampe |
| 6. Identification of Name of Cornponent SD-1B1 | Name of Manufacturer DRESSER INDUSTRIAL VALVE & INSTRUMENT Work REPAIR CLASS 2 MAI | Manufacturer Serial No. | National Board No. NA | Other ID SD023-006 | Built 1970 -VE SD-1 | Replaced, or Replacement REPAIRED B1. | Code Stampe |

Sheet 2 of 2

Date: 06/16/97

Name of Component: SD-1B1
Work Request Number: 210551

| Certificate of Compliance |
|--|
| We cortify that the statements made in the report are correct and this conforms to the rules of the |
| repair or replacement ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Philip C. Bukes Engestion analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>July 1, 1995</u> to <u>June 30, 1997</u> and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 100024 Inspectors Signature Date Tuly 1 19 97 |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscons | sin Public Service Corp. | | | Date <u>0</u> | 6/16/97 | | |
|--|--|--|---------------------------------|---------------------------------|---------------------------|---|-------------------------|
| 700 North Adam | s P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of | 2 |
| 2. Plant Kewauner | e Nuclear Power Plant | | | Unit <u>N</u> | lo. 1 | | |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | | | Work Re | equest Nu | ımber <u>210552</u> | |
| Work Performed By <u>Wisconsin Public Service Corp.</u> | | | | Type Co | ode Symb | ol Stamp <u>NA</u> | |
| 700 North Adam | s P.O. Box 19001 Green Ba | ny, WI 54307-9001 | | Authoriz | ation No. | <u>NA</u> | |
| 4. Identification of S | System <u>06</u> Class 2 <u>N</u> | MAIN STEAM AND | STEAM DUMP | Expiration | on Date | <u>NA</u> | |
| 5. (a) Applicable C | onstruction Code <u>B31.1-19</u> | <u>967</u> . | | Code Ca | ase <u>NA</u> | | |
| | | | | | | | |
| (b) Applicable E | dition of Section XI Utilized for | or Repairs or Repla | cements 198 | <u>9</u> | | | |
| .,,,, | | | | _ | | | |
| .,,,, | dition of Section XI Utilized for Repaired or Rep | | | _ | | | |
| () () | | | | _ | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| 6. Identification of C Name of Component | Components Repaired or Rep | placed and Replace | ment Compone | Other | | Replaced, or | Code |
| 6. Identification of C | Components Repaired or Rep Name of Manufacturer DRESSER INDUSTRIAL | placed and Replace Manufacturer Seriai No. | ment Compone National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamped |
| 6. Identification of C Name of Component | Name of Manufacturer DRESSER INDUSTRIAL VALVE & INSTRUMENT | Manufacturer Serial No. | National Board No. | Other ID SD023-007 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped |
| 6. Identification of C Name of Component SD-1B2 | Name of Manufacturer DRESSER INDUSTRIAL VALVE & INSTRUMENT | Manufacturer Serial No. | National Board No. | Other ID SD023-007 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped |
| 6. Identification of C Name of Component SD-1B2 7. Description of We | Name of Manufacturer DRESSER INDUSTRIAL VALVE & INSTRUMENT | Manufacturer Serial No. | National Board No. | Other ID SD023-007 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped |
| 6. Identification of C Name of Component SD-1B2 7. Description of We | Name of Manufacturer DRESSER INDUSTRIAL VALVE & INSTRUMENT ork REPAIR CLASS 2 MA | Manufacturer Seriai No. 07880 | National Board No. NA | Other ID SD023-007 | Built 1970 -VE SD-1 | Replaced, or Replacement REPAIRED B2. Exempt | Code Stamped |
| 6. Identification of Component SD-1B2 7. Description of Web. 8. Tests Conducted: | Name of Manufacturer DRESSER INDUSTRIAL VALVE & INSTRUMENT ork REPAIR CLASS 2 MA | Manufacturer Seriai No. 07880 | National Board No. NA | Other ID SD023-007 YSTEM 6" VAL | Built 1970 -VE SD-1 | Replaced, or Replacement REPAIRED B2. Exempt | Code Stampe |

Sheet 2 of 2

Date: <u>06/16/97</u>

Name of Component: <u>SD-1B2</u>

| Certificate of Compliance |
|--|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phellip C. Bukes Franceton analyst Date July 1, 19 97 Owner or Owner's Designee, Title |
| O. A.G. A.A. A. INDEDVICE INSPECTION |
| Certificate of INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>July 1, 1995</u> to <u>Juay 30, 1997</u> and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 /100024 Inspectors Signature Date |

As Required by the Provisions of the ASME Code Section XI

| 2. Plant <u>Kewaunee Nu</u> N490 HWY 42 Kew 3. Work Performed By | O. Box 19001 Green Baclear Power Plant aunee, WI 54216-9510 Wisconsin Public Service | | | Sheet Unit <u>N</u> Work Re | o. 1 | of | |
|---|--|----------------------------|-----------------------|-----------------------------------|---------------|--|-------------------------|
| N490 HWY 42 Kew 3. Work Performed By | aunee, WI 54216-9510 | | | _ | | | |
| 3. Work Performed By | | | | Work Re | auest Nua | | |
| | Wisconsin Public Service | | | | quost Hull | nber <u>210553</u> | |
| 700 North Adams P. | | e Corp. | | Type Co | de Symbo | l Stamp <u>NA</u> | |
| | O. Box 19001 Green Bay | y, WI 54307-9001 | | Authoriz | ation No. | _NA_ | |
| 4. Identification of Syste | em <u>06</u> Class 2 <u>M</u> | AIN STEAM AND | STEAM DUMP | Expiratio | n Date | NA_ | |
| 5. (a) Applicable Const | ruction Code B31.1-19 | <u>67</u> | | Code Ca | ise <u>NA</u> | | |
| | ame of anufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| | RESSER INDUSTRIAL ALVE & INSTRUMENT | 07876 | NA | SD023-008 | 1970 | REPAIRED | . N |
| 7. Description of Work | REPAIR CLASS 2 MAI | N STEAM AND ST | <u>'EAM DUMP SY</u> | <u>YSTEM 6" VAL</u> | VE SD-1B | 3 <u>. </u> | |

Sheet 2 of 2

Date: 06/16/97

Name of Component: <u>SD-1B3</u>

Work Request Number: <u>210553</u>

| Certificate of Co | ompliance | • |
|--|-----------------------|--------------------------------|
| We certify that the statements made in the report are correct and this | repaired | _ conforms to the rules of the |
| ASME Code Section XI. | repair or replacement | |
| Type Code Symbol Stamp NA | | |
| Certificate of Authorization No. NA Ex | piration Date | NA |
| Signed Phillip C Bukes Inspection analy Owner or Owner's Designee, Title | t Date | July 1 . 19 97 |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period Tuly 1,1995 to Tune 30,1997 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| Roya Motioni | Commissions | NB7741, I, N, IS, A WIS 38 / 100024 |
|-----------------------|-------------|---|
| Inspector's signature | | National Board, State, Province, and Endorsements |
| Date | _ | |

As Required by the Provisions of the ASME Code Section XI

| Owner <u>Wisconsin F</u> 700 North Adams P | Public Service Corn | • | | | | | |
|--|--|----------------------------|-----------------------|---------------|---------------|-----------------------------|-----------------|
| 700 North Adams P | Tubile Service Corp. | | | Date <u>0</u> | 6/16/97 | | |
| | O. Box 19001 Green B | Bay, WI 54307-9001 | | Sheet | 1 | of2 | <u>:</u> |
| 2. Plant Kewaunee No | uclear Power Plant | | | Unit <u>N</u> | <u>o. 1</u> | • | |
| N490 HWY 42 Kew | vaunee, WI 54216-9510 | ! | | Work Re | quest Nu | mber <u>210656</u> | |
| 3. Work Performed By | Wisconsin Public Serv | rice Corp. | | Туре Со | de Symb | ol Stamp <u>NA</u> | |
| 700 North Adams P. | O. Box 19001 Green Ba | ay, WI 54307-9001 | • | Authoriz | ation No. | <u>NA</u> | |
| 4. Identification of Syst | em <u>36</u> Class 1 | REACTOR COOLAN | <u>ıT</u> | Expiration | n Date | NA | |
| 5. (a) Applicable Cons | truction Code <u>B16.5-1</u> | 967 | | Code Ca | ase <u>NA</u> | | |
| | on of Section XI Utilized ponents Repaired or Re | | | _ | | | |
| | | | | | | Repaired, | ASME |
| | ame of lanufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Replaced, or Replacement | Code Stamped |
| | ELAN VALVE CORP | | ** | | | | |
| RC-103A V | ELAN VALVE COR P . | NF | NA | RC009-001 | 1967 | REPAIRED | N |

Sheet 2 of 2

Date: 06/16/97

Name of Component: RC-103A

Work Request Number: 210656

| Certificate of Co | ompliance | |
|---|-------------------------|--------------------------------------|
| We certify that the statements made in the report are correct and this | repaired | conforms to the rules of the |
| | repair or replacement | _ |
| ASME Code Section XI. | | |
| Type Code Symbol Stamp NA | | |
| Certificate of Authorization No. NA Exp | piration Date | NA |
| Signed Phillip C. Bukes Inspection Analys Owner or Owner's Designee, Title | Date | uly 1 , 19 97 |
| Certificate of INSERVIO | CE INSPECTION | |
| I, the undersigned, holding a valid commission issued by the National B | 3oard of Boiler and Pre | essure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boile | r Inspection and Ins. C | o. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>Ju</u> | Ly 1,1995 to June : | 30, 1997, and state that to the best |

Report in accordance with the requirements of the ASME Code, Section XI.

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

of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's

| Inspector's Signature Date July 2 19 17 | Commissions | NB7741, I, N, IS, A WIS 38 //0003 Y National Board, State, Province, and Endorsements |
|--|-------------|---|
| | | |

As Required by the Provisions of the ASME Code Section XI

| | sin Public Service Corp. | | | | 10/24/96 | | |
|---|--|---|------------------------------------|------------------------|----------------------------|--|-----------------------|
| 700 North Adam | s P.O. Box 19001 Green Bay | <u>/. WI 54307-9001</u> | | Sheet | 1 | of <u>2</u> | <u> </u> |
| 2. Plant <u>Kewaune</u> | e Nuclear Power Plant | | | Unit | <u>No. 1</u> | | |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | | | Work F | Request Nu | mber <u>210735</u> | |
| 3. Work Performed | By Wisconsin Public Service | ce Corp. | | Туре С | ode Symbo | il Stamp <u>NA</u> | |
| 700 North Adam | s P.O. Box 19001 Green Bay | . WI 54307-9001 | | Authori | ization No. | <u>NA</u> | |
| 4. Identification of S | System <u>33</u> Class 2 <u>S</u> | SAFETY INJECTION | <u> </u> | Expirat | ion Date | _NA_ | |
| 5. (a) Applicable C | onstruction Code B31.1-19 | <u>967</u> | ٠. | Code C | Case <u>NA</u> | | |
| 45 A P 11 5 | distance Continue VI I Milimed for | r Renairs or Renlace | men ts 1989 | <u>)</u> | | • | ٠ |
| (b) Applicable E | dition of Section XI Utilized for | r repairs or replace | | | | | |
| | | | | | | | |
| | Components Repaired or Repla | | | | | | |
| | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | Code |
| 6. Identification of C | Components Repaired or Repla | Manufacturer Serial No. | ent Components National | | | Replaced, or | ASMI Code Stamp |
| 6. Identification of C Name of Component | Components Repaired or Repla Name of Manufacturer | Manufacturer Serial No. | ent Components National Board No. | ID | Built | Replaced, or Replacement | Code Stamp |
| 6. Identification of C Name of Component | Components Repaired or Repla Name of Manufacturer | Manufacturer Serial No. | ent Components National Board No. | ID | Built | Replaced, or Replacement | Code Stamp |
| 6. Identification of C Name of Component | Name of Manufacturer ITT GRINNELL VALVE CO | Manufacturer Serial No. | National Board No. | NA | Built 1974 | Replaced, or Replacement REPAIRED | Code Stamp |
| 6. Identification of C Name of Component RSI-H78 | Components Repaired or Replaired Name of Manufacturer ITT GRINNELL VALVE CO | Manufacturer Serial No. | National Board No. | NA | Built 1974 | Replaced, or Replacement REPAIRED | Code Stamp |
| 6. Identification of C Name of Component RSI-H78 | Name of Manufacturer ITT GRINNELL VALVE CO | Manufacturer Serial No. | National Board No. | NA NA JULIC SNUB | Built 1974 BER RSI-H | Replaced, or Replacement REPAIRED | Code Stamp |
| 6. Identification of C Name of Component RSI-H78 7. Description of W | Name of Manufacturer ITT GRINNELL VALVE CO | Manufacturer Serial No. D NA FETY INJECTION S | National Board No. NA | NA NA JULIC SNUB | Built 1974 BER RSI-H | Replaced, or Replacement REPAIRED | Code Stamp |

Sheet 2 of 2

Date: 10/24/96

Name of Component:

| Certificate of Compliance |
|--|
| We certify that the statements made in the report are correct and thisconforms to the rules of the |
| ASME Code, Section XI. repair or replacement |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date |
| Signed Phillip C. Burled I reserve Analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1, 1995 to June 30, 1997 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind ansing from or connected with |
| this inspection. |
| |
| Commissions NB7741, I. N. IS. A WIS 38 / 1000 24 Inspector's signature National Board, State, Province, and Endorsements |
| Date |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner <u>Wisoons</u> | in Public Service Corp. | | | Date : | 10/24/96 | | |
|--|--|--|--|--------------------------|----------------------|---|-------------------------|
| 700 North Adams | P.O. Box 19001 Green B | lay, WI 54307-9001 | | Sheet | 1_ | of2 | |
| 2. Plant <u>Kewaunee</u> | Nuclear Power Plant | | | Unit <u>I</u> | <u>No. 1</u> | | |
| N490 HWY 42 K | (ewaunee, WI 54216-9510 | Ω | | Work R | equest Nur | mber <u>210735</u> | |
| 3. Work Performed E | By Wisconsin Public Ser | vice Corp. | | Туре С | ode Symbo | l Stamp <u>NA</u> | |
| 700 North Adams | P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Authoria | zation No. | _NA | |
| 4. Identification of Sy | rstem 33 Class 2 | SAFETY INJECTION | <u>N</u> | Expirati | on Date | NA | |
| 5. (a) Applicable Co | nstruction Code <u>B31.1-</u> | 1967 | | Code C | ase <u>NA</u> | | |
| | ition of Section XI I tilized f | for Denaire or Penlace | ments 1989 | ! | | | |
| (b) Applicable Ed | MOTO Section At Othized 1 | or Repairs or Replace | <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | | | | |
| ., | omponents Repaired or Rep | | | | · | · | |
| ., ., | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| 6. Identification of Co | omponents Repaired or Repaired | placed and Replaceme | ent Components National | | | Replaced, or | |
| 6. Identification of Co Name of Component | Name of Manufacturer WISCONSIN PUBLIC SERVICE CORP. | placed and Replaceme Manufacturer Serial No. | National Board No. NA | NA NA TEM HYDRA | 1982 | Replaced, or Replacement REPAIRED BBER RSI-H96. | Code Stampe |
| 6. Identification of Converse of Component RSI-H96 7. Description of Wo | Name of Manufacturer WISCONSIN PUBLIC SERVICE CORP. | Manufacturer Serial No. NA SAFETY INJECTION I | National Board No. NA | NA FEM HYDRA ng Pressure | Built 1982 ULIC SNU | Replaced, or Replacement REPAIRED BBER RSI-H96. | Code Stampe |

Sheet 2 of 2

Date: 10/24/96

Name of Component: RSI-H96

| Certificate of C | ompliance | |
|---|--------------------------------|--------------------------------------|
| We certify that the statements made in the report are correct and this SME Code, Section XI. | repaired repair or replacement | conforms to the rules of the t |
| ype Code Symbol Stamp NA | | |
| | piration Date | NA |
| igned Phillip C. Bukes Inspection analyst | Date | July 1 , 19 97 |
| Ówner or Owner's Designee, Title | | • |
| | | |
| Certificate of INSERV | CE INSPECTION | 1 |
| the undersigned, holding a valid commission issued by the National Bo | | |
| tate or Province of Wisconsin and employed by Hartford Steam Boiler In | | |
| ne components described in this Owner's Report during the period July | | |
| f my knowledge and belief, the Owner has performed examinations and | | |
| teport in accordance with the requirements of the ASME Code, Section | | |
| | | |
| By signing this certificate neither the Inspector nor his employer makes | any warranty, express | sed or implied, concerning the |
| xaminations and corrective measures described in this Owner's Report. | Furthermore, neither t | he inspector nor his employer |
| hall be liable in any manner for any personal injury or property damage o | r a loss of any kind and | sing from or connected with |
| his inspection. | | |
| | | |
| | | |
| logn Myrin Commiss | ions NB7741, I, N, | IS, A WIS 38/100024 |
| Unspector's Signature | | I, State, Province, and Endorsements |
| Date July 2 19 97 | | |
| Date19 | | |

As Required by the Provisions of the ASME Code Section XI

| | Owner <u>Wisconsin Public Service Corp.</u> 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | | | |
|--------------------------|---|----------------------------|-----------------------|---------------|---------------|--|------------------------|
| 0.01.1.11 | P.O. Box 19001 Green B | ay, WI 54307-9001 | | Sheet | 1 | of2 | <u>!</u> |
| 2. Plant <u>Kewaunee</u> | Nuclear Power Plant | | | Unit <u>I</u> | No. 1 | | |
| N490 HWY 42 K | (ewaunee, WI 54216-9510 | | | · Work R | equest Nu | mber <u>210740</u> | |
| 3. Work Performed E | By Wisconsin Public Serv | vice Corp. | | Туре С | ode Symbo | i Stamp <u>NA</u> | |
| 700 North Adams | P.O. Box 19001 Green Ba | ıy, WI 54307-9001 | | Authoriz | zation No. | NA | |
| 4. Identification of Sy | stem <u>23</u> Class 2 | CONTAINMENT SPI | RAY | Expirati | on Date | NA | |
| 5. (a) Applicable Co | nstruction Code <u>B31.1-</u> | <u>1967</u> | | Code C | ase <u>NA</u> | | |
| Narne of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| | | | | | | ···· | |
| ICS-H8 | ITT GRINNELL VALVE O | O NA | NA | NA | 1971 | REPAIRED | N |

Sheet 2 of 2

Date: <u>10/24/96</u>

Name of Component: <u>ICS-H8</u>

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukes Inspection analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1, 1995 to June 30, 1997, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with |
| this inspection. |
| Roger Moteria Commissions NB7741, I, N, IS, A WIS 100024 |
| Inspector's gignature National Board, State, Province, and Endorsements |
| Date |

As Required by the Provisions of the ASME Code Section XI

| 700 North Adam | s P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of2 | |
|---|---|--|--|--------------------------------|-----------------------|--|----------------------------|
| 2. Plant <u>Kewaune</u> | e Nuclear Power Plant | | | Unit | <u>No. 1</u> | | • |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | | | Work F | Request Nu | mber <u>210741</u> | |
| 3. Work Performed | By Wisconsin Public Serv | vice Corp. | | Туре С | ode Symbo | ol Stamp <u>NA</u> | |
| 700 North Adam | s P.O. Box 19001 Green Ba | ay, W! 54307-9001 | | Authori | zation No. | NA_ | |
| 4. Identification of S | System <u>31</u> Cla ss 3 | COMPONENT COO | LING | Expirat | ion Date | NA | |
| 5 (a) Applicable C | onstruction Code <u>B31,1-1</u> | 1967 | | Code C | ase <u>NA</u> | | , |
| (b) Applicable E | dition of Section XI Utilized for Components Repaired or Rep | | | | | | |
| (b) Applicable E 6. Identification of C Name of | Components Repaired or Rep | | | Other ID | Year Built | Repaired, Replaced, or Replacement | Code |
| (b) Applicable E | Components Repaired or Rep | placed and Replaceme | ent Components National | Other | | | ASMI Code Stamp N |
| (b) Applicable E 6. Identification of C Name of Component | Name of Manufacturer ITT GRINNEL VALVE COMPANY Fork REPAIR CLASS 3 AI | olaced and Replaceme Manufacturer Serial No. | National Board No. NA SYSTEM HYDR | Other ID NA AULIC SNU | B uilt 1971 | Replaced, or Replacement REPAIRED C-H21. Exempt X | Code Stamp |

NIS-2 (Back) Sheet 2 of 2

Date: 10/24/96

Name of Component: RAC-H21

| Certif | ficate of Com | pliance | • |
|--|-------------------------|------------------|---|
| We certify that the statements made in the report are co | orrect and this | re paired | conforms to the rules of the |
| ASME Code, Section XI. | rep | pair or replacem | nent |
| | | | |
| Type Code Symbol Stamp NA | | | |
| Certificate of Authorization No. NA | Expirat | ion Date | NA . |
| | | UII Date | |
| Signed Phillip C. Bukes Inspection | analyst | Date | <u>July</u> 1 , 19 <u>97</u> |
| Owner or Owner's Designee, Title | _ , | | 4 4 |
| | | | |
| | | | |
| Certificate o | f INSERVICE | INSPECTION | ON |
| I, the undersigned, holding a valid commission issued by th | e National Board o | f Roiler and Pro | essure Vesset Inspectors and the |
| | | • | |
| State or Province of Wisconsin and employed by Hartford S | | | |
| the components described in this Owner's Report during the | e period <u>July</u> 1, | 1977 ta / we | 30, f171, and state that to the best |
| of my knowledge and belief, the Owner has performed exan | ninations and taker | n corrective me | asures described in this Owner's |
| Report in accordance with the requirements of the ASME C | Code, Section XI. | | |
| By signing this certificate neither the Inspector nor his en | molover makes anv | warrantv. expr | ressed or impliod, concerning the |
| examinations and corrective measures described in this Ow | | | |
| | | | |
| shall be liable in arry manner for any porsonal injury or prop | erty damage or a id | ss of any kind | ansing from or connected with |
| this inspection. | | | |
| | • | | • |
| D 700 | | | |
| Kogn Motjuin | Commissions | | |
| /Inspector's Signature | | ivational bo | pard, State, Province, and Endorsements |
| Date July 2 19 97 | <u>_</u> | | • |
| | | | • |

As Required by the Provisions of the ASME Code Section XI

| 700 North Adams P.O. 2. Plant Kewaunee Nucle N490 HWY 42 Kewau 3. Work Performed By 700 North Adams P.O. 4. Identification of System 5. (a) Applicable Construct (b) Applicable Edition of 6. Identification of Composi | unee, WI 54216-9510 Wisconsin Public Service C Box 19001 Green Bay, WI 34 Class 2 RESI | Corp. I 54307-9001 IDUAL HEAT RE | nents <u>1989</u> | Sheet Unit Nork Re Type Co Authoriz Expiration | equest Nun ode Symbol | of2 mber 210742 I Stamp NANANA | |
|---|---|--|-----------------------|---|---|--|-------------------------|
| 2. Plant Kewaunee Nucle N490 HWY 42 Kewau 3. Work Performed By 700 North Adams P.O. 4. Identification of System 5. (a) Applicable Construct (b) Applicable Edition of 6. Identification of Composition Name of Name | ear Power Plant unee, WI 54216-9510 Wisconsin Public Service C Box 19001 Green Bay, WI 34 Class 2 RESI ction Code B31.1-1967 of Section XI Utilized for Rep | Corp. I 54307-9001 IDUAL HEAT RE | nents <u>1989</u> | Unit <u>N</u> Work Ro Type Co Authoriz Expiration | equest Nun ode Symbol cation No. on Date | nber <u>210742</u> I Stamp <u>NA</u> <u>NA</u> | |
| N490 HWY 42 Kewau 3. Work Performed By 700 North Adams P.O. 4. Identification of System 5. (a) Applicable Construct (b) Applicable Edition of 6. Identification of Composition Name of Name | Wisconsin Public Service C Box 19001 Green Bay, WI 34 Class 2 RES ction Code B31.1-1967 of Section XI Utilized for Rep | I 54307-9001 IDUAL HEAT RE | nents <u>1989</u> | Work Ro Type Co Authoriz Expiration | equest Num ode Symbol cation No. on Date | Stamp <u>NA</u> | |
| 3. Work Performed By 700 North Adams P.O. 4. Identification of System 5. (a) Applicable Construct (b) Applicable Edition of 6. Identification of Composition Name of Name | Wisconsin Public Service C Box 19001 Green Bay, WI 34 Class 2 RESI ction Code B31.1-1967 of Section XI Utilized for Rep | I 54307-9001 IDUAL HEAT RE | nents <u>1989</u> | Type Co | ode Symbol cation No. | Stamp <u>NA</u> | |
| 700 North Adams P.O. 4. Identification of System 5. (a) Applicable Construct (b) Applicable Edition of 6. Identification of Composition Name of Name | Box 19001 Green Bay, WI 34 Class 2 RESI ction Code B31.1-1967 of Section XI Utilized for Rep | I 54307-9001 IDUAL HEAT RE | nents <u>1989</u> | Authoriz Expiratio | zation No. on Dat e | NA | |
| 4. Identification of System 5. (a) Applicable Construct (b) Applicable Edition of 6. Identification of Composition Name of Name | 34 Class 2 <u>RESI</u> ction Code <u>B31.1-1967</u> of Section XI Utilized for Rep | IDUAL HEAT RE | nents <u>1989</u> | Expiration | on Date | | |
| 5. (a) Applicable Construct (b) Applicable Edition of 6. Identification of Composition Name of Name | ction Code <u>B31.1-1967</u> of Section XI Utilized for Rep | pairs or Replacen | nents <u>1989</u> | • | | <u>NA</u> | |
| (b) Applicable Edition of 6. Identification of Composition of Name of Name | of Section XI Utilized for Rep | | | Code Ca | ase <u>NA</u> | | |
| 6. Identification of Composition | | | | | | | |
| | | • | | | | | |
| | | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| RHR-H49 ITT | GRINNELL VALVE CO N | IA A | NA | NA | 1973 | REPAIRED | N |
| | REPAIR CLASS 2 RESIDE Hydrostatic Pner Other Pres | eumatic | Nominal Operatir | | SNUBBEF | Exempt X | |

Sheet 2 of 2

Date: 10/24/96

Name of Component: RHR-H49

Work Request Number: 210742

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this repaired conforms to the rules of the |
| ASME Code, Section XI. repair or replacement |
| |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phellip C. Bukes Inspection analyst Date July 1, 19 97 |
| 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1, 1995 to June 30, 1997 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Repert. Furthermore, neither the Inspector nor his employer |
| shall bo liable in any manner for any personal injury or proporty damage or a loss of any kind arising from or connected with |
| this inspection. |
| |
| Rogin Migrain Commissions NB7741, I. N. IS. A. WIS 38/100024 |
| Inspector's signature National Board, State, Province, and Endorsements |
| Date <u>July 2</u> 19 <u>97</u> |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wisconsin I | Public Service Corp. | | | Date ! | 06/25/97 | | |
|----------------------------|---|----------------------------|-----------------------------------|----------|---------------|--|-------------------------|
| 700 North Adams F | P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of2 | 2 |
| 2. Plant <u>Kewaunee N</u> | uclear Power Plant | | | Unit | No. 1 | | |
| N490 HWY 42 Kev | waunee, WI 54216-9510 | | | Work R | lequest Nu | mber <u>210849</u> | |
| 3. Work Performed By | Wisconsin Public Service | ce Corp. | | Туре С | ode Symb | ol Stamp NA | |
| 700 North Adams P | O. Box 19001 Green Ba | y, WI 54307-9001 | | Authori | zation No. | NA | |
| 4. Identification of Syst | tem <u>05A</u> Class 2 <u>F</u> | EEDWATER | | Expirat | ion Date | . <u>NA</u> | |
| 5. (a) Applicable Cons | struction Code B31.1-19 | <u>967</u> | | Code C | ase <u>NA</u> | | |
| 6. Identification of Con | nponents Repaired or Rep | placed and Replace | ment Componen | ts | | | |
| Narne of N | nponents Repaired or Rep lame of Manufacturer | Manufacturer Serial No. | nent Componen National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| Name of N Component N | lame of | Manufacturer | National | Other | | Replaced, or | Code |

Sheet 2 of 2

Date: 06/25/97

Name of Component: TPB FW-45

Work Request Number: 210849

| Certificate of Co | ompliance | | |
|--|-----------------|-------------|------------------|
| We certify that the statements made in the report are correct and this | repaired | conforms to | the rules of the |
| | repair or repla | | |
| SME Code Section XI. | | ÷ | |
| Type Code Symbol Stamp NA | | | |
| Type Code Symbol Stamp | | | |
| Certificate of Authorization No. NA Ex | piration Date | NA · | |
| | | | |
| Signed Phillip C. Bukes Inspection analyst | Date | Duly 1 | , 19 97 |
| Owner or Owner's Designee, Title | | 4 4 | |
| | | | |
| | | | |
| | | | |
| Certificate of INSERVIO | CE INSPECT | TION | |

the components described in this Owner's Report during the period Tile 1, 1995 to Tune 30, 1997 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected

| , | for a | Mynen | | | Commissions | NB7741, I, N, IS, A WIS 100024 | |
|------|-------|------------------|----|----|-------------|--|---|
| | Inspe | ctor's Signature | · | | Commissions | National Board, State, Province, and Endorsement | s |
| Date | Tuly | 2 | 19 | 97 | | | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wisconsin | Public Service Corn | | | Date 0 | 6/16/97 | | |
|--|---|--|---|------------------------------------|-------------------|--|-------------------------|
| | | D M. E (007 000) | | | | | |
| 700 North Adams | P.O. Box 19001 Green | Bay, WI 54307-9001 | <u>L</u> | Sheet | 1 | of2 | <u></u> |
| 2. Plant Kewaunee N | Nuclear Power Plant | | | Unit <u>1</u> | <u>lo. 1</u> | | |
| N490 HWY 42 Ke | ewaunee WI 54216-951 | 10 | | Work R | equest Nu | mber <u>211202</u> | |
| 3. Work Performed By | y Wisconsin Public Se | rvice Corp. | | Type C | ode Symbo | ol Stamp <u>N/A</u> | |
| 700 North Adams F | P.O. Box 19001 Green I | Bay, WI 54307-9001 | | Authoriz | zation No. | NA | |
| 4. Identification of Sys | stem <u>36</u> Class 1 | REACTOR COOLA | <u>NT</u> | Expirati | on Date | NA | |
| 5. (a) Applicable Con | struction Code ASME | III CLASS A | - | Code C | ase <u>N-49</u> | <u>96</u> | |
| (b) Applicable Edit6. Identification of Cor | mponents Repaired or R | | ement Componer | nts | | | |
| 6. Identification of Cor | | | ement Componer National Board No. | Other | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| 6. Identification of Cor Name of Name | mponents Repaired or R | Replaced and Replace | National | Other | | Replaced, or | Code |
| 6. Identification of Cor Name of Name of Component | mponents Repaired or R Name of Manufacturer WESTINGHOUSE | Replaced and Replace Manufacturer Serial No. | National Board No. 68-23 T SYSTEM PRES | Other ID 00041 SSURIZER M | Built 1968 ANWAY. | Replaced, or Replacement REPAIRED | Code Stampe |

Sheet 2 of 2

Date: <u>06/16/97</u>

Name of Component: PZR

| Certificate of C | Omphance | |
|--|----------------------------|---|
| We certify that the statements made in the report are correct and this | repaired | conforms to the rules of the |
| · · | repair or replacement | |
| ASME Code Section XI. | | |
| Type Code Symbol Stamp N/A | ···· | |
| Certificate of Authorization No. NA Ex | piration Date | NA |
| Signed Phillip C. Bukes Engection analyst Owner or Owner's Designee, Title | 5 Date | ا بول |
| Certificate of INSERVI | CE INSPECTION | |
| Certificate of Intolity | or mor corror | |
| I, the undersigned, holding a valid commission issued by the National | Board of Boiler and Pres | ssure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boile | er Inspection and Ins. Co | of Hartford, CT have inspected |
| the components described in this Owner's Report during the period 2 | 541, 1995 to June 3 | <u>رم,/997</u> , and state that to the best |
| of my knowledge and belief, the Owner has performed examinations a | and taken corrective mea | sures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section | on XI. | |
| By signing this certificate neither the Inspector nor his employer ma | ikes any warranty, expre | ssed or implied, concerning the |
| examinations and corrective measures described in this Owner's Repo | ort. Furthermore, neithe | r the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damage | ge or a loss of any kind a | arising from or connected with |
| this inspection. | | |
| • | • | |
| | | |
| O. Trust. | ND7744 I N IC | A WIS 28 / 1000 21/ |
| Inspector's Bignature Commiss | | State, Province, and Endorsements |
| Date July 2 19 97 | | |

As Required by the Provisions of the ASME Code Section XI

| Owner Wisconsin Pul | blic Service Corp. | | | Date 0 | 6/23/97 | | |
|--|--|--|--|---------------------------------|-------------------------------------|--|-------------------------|
| 700 North Adams P.C | D. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of2 | |
| 2. Plant <u>Kewaunee Nucl</u> | lear Power Plant | | | Unit <u>N</u> | lo. 1 | | |
| N490 HWY 42 Kewai | unee WI 54216-9510 | | | Work Re | equest Nur | mber <u>211346</u> | |
| 3. Work Performed By | Wisconsin Public Servi | ce Corp. | | Type Co | ode Symbo | ol Stamp <u>NA</u> | |
| 700 North Adams P.O | Box 19001 Green Ba | iy, WI 54307-9001 | | Authoriz | zation No. | NA | |
| 4. Identification of System | m <u>02</u> Cla s s 3 <u>S</u> | SERVICE WATER | | Expiration | on Date | NA | |
| 5. (a) Applicable Constru | uction Code SECTIO | N III-1989 | | Code C | ase <u>N-41</u> | <u>6-1</u> | |
| | | | | | | | |
| 6. Identification of Compo | onents Repaired or Rep | placed and Replace | ment Componen | ts | | | |
| Name of Nam | onents Repaired or Rep me of nufacturer | Manufacturer Serial No. | Mational Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| Name of Nam | me of nufacturer | Manufacturer | National | Other | | Replaced, or | |
| Name of Nam Component Mar SW SPOOL PIECE DUE | me of nufacturer BOSE STEEL WELDED INSTALLAT CLASS 3 SERVICE W | Manufacturer Serial No. 26513 | National Board No. NA | Other ID NA NE TRAIN A | Built 1991 ND 3/4" TAN PIPING | Replaced, or Replacement REPLACEMENT | Code Stamped N |
| Name of Name Component Mar SW SPOOL PIECE DUE 7. Description of Work 8. Tests Conducted: | me of nufacturer BOSE STEEL WELDED INSTALLAT CLASS 3 SERVICE W | Manufacturer Serial No. 26513 TION OF 10" ORIFIC VATER SYSTEM 10 | National Board No. NA CE PLATE ON O | Other ID NA NE TRAIN A | Built 1991 ND 3/4" TAN PIPING | Replaced, or Replacement REPLACEMENT AP ON EACH TRAIN FROM CONTAINME | Code Stamped N |

Sheet 2 of 2

Date: <u>06/23/97</u>

Name of Component: <u>SW SPOOL PIECE</u>

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the |
| ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukes Inspection analyst Date July , 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period Vuly 1, 195 to Twe 3, 1897 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with |
| this inspection. |
| |
| Roger Motivin Commissions NB7741, I, N, IS, A WIS 38 / 100024 National Board, State, Province, and Endorsements |
| Date |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wisconsi | n Public Service Corp. | | | Date <u>0</u> | <u>4/25/97</u> | | |
|---|--|---|---|--|------------------------------|--|------------------------|
| 700 North Adams | P.O. Box 19001 Green B | Bay, WI 54307-9001 | <u> </u> | Sheet | 1 | of | 2 |
| 2. Plant <u>Kewaunee Nuclear Power Plant</u> | | | | Unit <u>No. 1</u> | | | |
| N490 HWY 42 K | ewaunee, WI 54216-9510 | ! | | Work Ro | equest Nu | umber <u>211467</u> | |
| 3. Work Performed E | By Wisconsin Public Serv | rice Corp. | | Туре Со | ode Symb | ol Stamp <u>NA</u> | |
| 700 North Adams | P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Authoriz | ation No. | NA_ | |
| 4. Identification of Sy | ystem <u>23</u> Class 2 <u>(</u> | CONTAINMENT SP | RAY | Expiration | on Date | NA | |
| 5. (a) Applicable Con | nstruction Code <u>B16.5-19</u> | 967 | | Code Ca | ase <u>NA</u> | | |
| | ition of Costion VI Litilized 6 | for Renairs or Renia | cements 198 | 39 | | | |
| (b) Applicable Edi6. Identification of Co | omponents Repaired or Re | | | ents | | | |
| 6. Identification of Co | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| 6. Identification of Co Name of Component | omponents Repaired or Repaired | placed and Replace | ment Compone | Other | | Replaced, or | Code |
| 6. Identification of Co Name of Component | Name of Manufacturer WILLIAM POWELL CO. | placed and Replace Manufacturer Serial No. NF | Mational Board No. | Other ID ICS022-001 | Built | Replaced, or Replacement | Code Stampe |
| 6. Identification of Co Name of Component CI-1003 7. Description of Wor | Name of Manufacturer WILLIAM POWELL CO. | Manufacturer Serial No. NF | Mational Board No. | Other ID ICS022-001 | Built | Replaced, or Replacement | Code Stampe |
| 6. Identification of Co Name of Component CI-1003 | Name of Manufacturer WILLIAM POWELL CO. | Manufacturer Serial No. NF ONTAINMENT SPRA | National Board No. NA | Other ID ICS022-001 | Built 1968 | Replaced, or Replacement REPAIRED | Code Stampe |
| Name of Component CI-1003 Tests Conducted: Remarks TEST | Name of Manufacturer WILLIAM POWELL CO. | Manufacturer Serial No. NF ONTAINMENT SPRA | National Board No. NA AY VALVE 2" Control of the second | Other ID ICS022-001 I-1003. ating Pressure | Built 1968 X deg. F | Replaced, or Replacement REPAIRED | Code Stampe N |

Sheet 2 of 2

Date: 04/25/97

Name of Component: CI-1003

| Certificate of Compliance | |
|---|---------------------------------|
| | nforms to the rules of the |
| ASME Code Section XI. | |
| · | · |
| Type Code Symbol Stamp NA | |
| Certificate of Authorization No. NA Expiration Date NA | A |
| | |
| Signed Phillip C. Bukes Inspection analyst Date July | , 19 97 |
| Owner or Owner's Designee, Title | • |
| | |
| O VIS A ANDERWOE MOREOTION | |
| Certificate of INSERVICE INSPECTION | |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressur | e Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of | Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1, 1995 to June 30, 19 | ?97, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measure | es described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed | d or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the | |
| shall be liable in any manner for any personal injury or property damage or a loss of any kind arisin | • |
| this inspection. | |
| | |
| 1 | |
| Commissions NB7741, I, N. IS. A National Board, State | WIS 38 / 100024 |
| Inspector's gnature National Board, Stat | te, Province, and Endorsements |
| Date July 2 19 97 | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscons | in Public Service Corp. | | | Date <u>(</u> | 03/07/97 | | |
|--|---|--|--|----------------------------|---------------------------|---|-------------------------|
| 700 North Adams | 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | 1 | of2 | <u></u> |
| 2. Plant <u>Kewaunee</u> | Plant Kewaunee Nuclear Power Plant | | | Unit <u>N</u> | Unit No. 1 | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | Work R | Work Request Number 211507 | | | |
| Work Performed By <u>Wisconsin Public Service Corp.</u> | | | Type C | od e Symb | ol Stamp <u>NA</u> | | |
| 700 North Adams | s P.O. Box 19001 Green Ba | ay. WI 54307-9001 | | Authoria | zation No. | NA | |
| 4. Identification of S | System <u>35</u> Class 2 <u>C</u> | CHEMICAL AND VO | DLUME CONTRO | <u>L</u> Expirati | ion Date | NA | |
| | | 067 | | Code C | ase <u>NA</u> | | |
| 5. (a) Applicable Co | onstruction Code <u>B31.1-19</u> | <u>907</u> | | | | | |
| | onstruction Code <u>B31.1-19</u> dition of Section XI Utilized f | | cements 1989 | | | | |
| (b) Applicable Ed | dition of Section XI Utilized f | for Repairs or R epla | | | | | |
| (b) Applicable Ed | | for Repairs or R epla | | | | | |
| (b) Applicable Ed | dition of Section XI Utilized f | for Repairs or R epla | | | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| (b) Applicable Ed 6. Identification of C Name of | dition of Section XI Utilized for Repaired or Repaired of | for Repairs or Repla placed and Replace Manufacturer | ment Componen | other | | Replaced, or | Code |
| (b) Applicable Ed 6. Identification of C Name of Component CVC-H84 7. Description of Wo 8. Tests Conducted: | Name of Manufacturer ITT GRINNELL VALVE CO. Ork REPAIR CLASS 2 CH RESERVOIR FLUID L | for Repairs or Replace placed and Replace Manufacturer Serial No. NA | Mational Board No. NA UME CONTROL Nominal Operati | Other ID NA | Built 1974 YDRAULIO | Replaced, or Replacement REPAIRED C SNUBBER CVC-H Exempt X | Code Stamped N |

Sheet 2 of 2

Date: 03/07/97

Name of Component: CVC-H84

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| repair or replacement ASME Code Section XI. |
| Admit dodg dodgan xi. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA Plant Inclusive |
| Signed Phellip C. Bukes Inspection analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1995 to Jue 30, 1997 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741. I. N. IS. A WIS 38 / 100034 National Board, State, Province, and Endcrsements |
| Date |

As Required by the Provisions of the ASME Code Section XI

| | | | | | | | | |
|--|---|--|-------------------------------------|--------------------------|----------------------------|---|-------------------------|--|
| 1. Owner Wiscons | sin Public Service Corp. | | | Date ! | 03/07/97 | | | |
| 700 North Adams | s P.O. Box 19001 Green E | Bay. WI 54307-9001 | | Sheet | 1 | of2 | ! | |
| 2. Plant <u>Kewaunes</u> | Plant Kewaunee Nuclear Power Plant | | | | Unit No. 1 | | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | | | Work Request Number 211531 | | | |
| Work Performed By <u>Wisconsin Public Service Corp.</u> | | | | | Type Code Symbol Stamp NA | | | |
| 700 North Adams | s P.O. Box 19001 Green B | lay, WI 54307-9001 | | Authori | Authorization No. NA | | | |
| 4. Identification of S | System 33 Class 2 | SAFETY INJECTION | Ā | Expirat | ion Date | <u>NA</u> | | |
| 5. (a) Applicable C | onstruction Code <u>B31.1-1</u> | 1967 | | Code C | ase <u>NA</u> | | | |
| | | | | | | | | |
| (b) Applicable E | dition of Section XI Utilized | for Repairs or Repla | cements 1989 | Ź | | | | |
| | dition of Section XI Utilized Components Repaired or Re | | | _ | | | | |
| | | | | _ | | | | |
| | | | | _ | Year Bullt | Repaired, Replaced, or Replacement | ASME Code Stamped | |
| 6. Identification of C | Components Repaired or Re | eplaced and Replace | ment Componer | Other | | Replaced, or | Code | |
| 6. Identification of C Name of Component | Name of Manufacturer ITT GRINNELL VALVE CO. | Manufacturer Serial No. | National Board No. | Other ID NA | 1974 | Replaced, or Replacement | Code Stamped N | |
| 6. Identification of C Name of Component RSI-H2 | Name of Manufacturer ITT GRINNELL VALVE CO. ork REPAIR CLASS 2 SA | Manufacturer Serial No. | National Board No. | Other ID NA | Bullt 1974 BBER RSI- | Replaced, or Replacement | Code Stamped N | |
| 6. Identification of Converse of Component RSI-H2 7. Description of Wood | Name of Manufacturer ITT GRINNELL VALVE CO. ork REPAIR CLASS 2 SA | Manufacturer Serial No. NA | National Board No. NA SYSTEM HYDR | Other ID NA | Bullt 1974 BBER RSI- | Replaced, or Replacement REPAIRED H2 DUE TO LOW R | Code Stamped N | |
| 6. Identification of Control of Component RSI-H2 7. Description of Western States Conducted: | Name of Manufacturer ITT GRINNELL VALVE CO. ork REPAIR CLASS 2 SAFLUID. | Manufacturer Serial No. NA AFETY INJECTION | National Board No. NA SYSTEM HYDR | Other ID NA AULIC SNUE | Bullt 1974 BBER RSI- | Replaced, or Replacement REPAIRED H2 DUE TO LOW R | Code Stamped N | |

Sheet 2 of 2

Date: 03/07/97

Name of Component: RSI-H2
Work Request Number: 211531

| ompliance | |
|-----------------------|------------------------------|
| repaired | conforms to the rules of the |
| repair or replacement | |
| | 1 |
| piration Date | NA |
| <u>.</u> Date | July 1 , 19 97 |
| | repair or replaceme |

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period Inspector and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| shall be liable in any manner for any personal injury or pro- | perty damage or a | a loss of any kind arising from or connected with |
|---|-------------------|--|
| this inspection. | | |
| Nogn Myner Inspector's Ognature Date | Commissions | NB7741, I, N, IS, A WIS 100024 National Board, State, Province, and Endorsements |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wisconsin Public Service Corp. 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 Sheet 1 of 2 2. Plant Kewaunee Nuclear Power Plant N490 HWY 42 Kewaunee, WI 54216-9510 Work Request Number 211728 3. Work Performed By Wisconsin Public Service Corp. Type Code Symbol Stamp NA 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 Authorization No. NA 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date NA 5. (a) Applicable Construction Code B31.1-1967 Code Case NA |
|---|
| 2. Plant Kewaunee Nuclear Power Plant N490 HWY 42 Kewaunee, WI 54216-9510 Work Request Number 211728 3. Work Performed By Wisconsin Public Service Corp. Type Code Symbol Stamp NA 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 Authorization No. NA 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date NA |
| N490 HWY 42 Kewaunee, WI 54216-9510 Work Request Number 211728 3. Work Performed By Wisconsin Public Service Corp. Type Code Symbol Stamp NA 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date NA |
| 3. Work Performed By Wisconsin Public Service Corp. Type Code Symbol Stamp NA 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 Authorization No. NA 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date NA |
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 Authorization No. NA 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date NA |
| 4. Identification of System <u>35</u> Class 2 <u>CHEMICAL AND VOLUME CONTROL</u> Expiration Date <u>NA</u> |
| |
| 5. (a) Applicable Construction Code B31.1-1967 Code Case NA |
| |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 |
| A MARINE WAS A DESCRIPTION OF THE PROPERTY OF |
| 6. Identification of Components Repaired or Replaced and Replacement Components |
| Repaired, AS Name of Manufacturer National Other Year Replaced, or Co Component Manufacturer Serial No. Board No. ID Built Replacement Sta |
| |
| |
| LD-13 CROSBY VALVE & GAGE NF NA CS014-001 1971 REPAIRED CO. |
| ED 10 |
| 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-13. |
| 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-13. |

Sheet 2 of 2

Date: 06/16/97

Name of Component: <u>LD-13</u>

Work Request Number: <u>211728</u>

| Certificate of Co | ompliance | |
|---|-----------------------|------------------------------|
| We certify that the statements made in the report are correct and this | repaired | conforms to the rules of the |
| | repair or replacement | |
| ASME Code Section XI. | | |
| Type Code Symbol Stamp NA | | |
| Certificate of Authorization No. NA Ex | piration Date | NA · |
| Signed Phillip C. Bukes Enspection analyst Gwner or Owner's Designee, Title | Date July | 19 97 |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period Telefont To Tour 1997, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| 1 = 1 | | |
|-----------------------|-------------|---|
| Inspector's Signature | Commissions | NB7741, I, N, IS, A WIS 38 / /ooo24 National Board, State, Province, and Endorsements |
| • | | National Board, State, Province, and Endorsements |
| Date July 2 19 97 | | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wisconsin Public Service Corp. 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 2. Plant Kewaunee Nuclear Power Plant N490 HWY 42 Kewaunee, WI 54216-9510 3. Work Performed By Wisconsin Public Service Corp. 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL (b) Applicable Construction Code B31.1-1967 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components Name of Component Repaired or Replaced and Replacement Components Name of Component Repaired or Replaced Replaced and Replacement Components Name of Component Repaired or Replaced Replaced and Replacement Components Name of Component Repaired or Replaced Replaced Replaced Replaced, or Code Component Replaced | | | | | | | | |
|---|--|--|---|-----------------------------------|--|-------------------|--|-----------------|
| 2. Plant Kewaunee Nuclear Power Plant N490 HWY 42 Kewaunee, WI 54216-9510 3. Work Performed By Wisconsin Public Service Corp. 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL 5. (a) Applicable Construction Code B31.1-1967 Code Case NA (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 6. Identification of Components Repaired or Replaced and Replacement Components Name of Component Manufacturer Serial No. Board No. ID Built Replaced, or Replacement Code Stampet LD-5 CROSBY ASHTON GAGE NF NA CS109-001 1970 REPAIRED N 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-5. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Exempt Other Pressure 250 psi Test Temp. 73 deg. F | 1. Owner Wiscon | sin Public Service Corp. | | | Date <u>06</u> | 6/11/97 | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 Work Performed By Wisconsin Public Service Corp. Type Code Symbol Stamp NA 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 Authorization No. NA 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date NA 5. (a) Applicable Construction Code B31.1-1967 Code Case NA (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 6. Identification of Components Repaired or Replaced and Replacement Components Name of Manufacturer National Other Replaced, or Replacement Manufacturer Serial No. Board No. ID Built Replacement Code Stamped LD-5 CROSBY ASHTON GAGE NF NA CS109-001 1970 REPAIRED N 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-5. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Exempt Other Pressure 250 psi Test Temp. 73 deg. F | 700 North Adam | ns P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Sheet | 1 | of2 | <u>:</u> |
| 3. Work Performed By Wisoonsin Public Service Corp. Type Code Symbol Stamp NA 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 Authorization NoNA 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration DateNA 5. (a) Applicable Construction CodeB31.1-1967 Code CaseNA (b) Applicable Edition of Section XI Utilized for Repairs or Replacements1989 6. Identification of Components Repaired or Replaced and Replacement Components Name of | 2. Plant <u>Kewaune</u> | e Nuclear Power Plant | | | Unit <u>N</u> | <u>o. 1</u> | | |
| Authorization No. NA 4. Identification of System 35 | N490 HWY 42 | Kewaunee, WI 54216-9510 | | | Work Re | quest Nu | mber <u>211729</u> | |
| 4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date NA 5. (a) Applicable Construction Code B31.1-1967 | 3. Work Performed | By Wisoonsin Public Service | ce Corp. | | Туре Со | de Symb | ol Stamp NA | |
| 5. (a) Applicable Construction Code B31.1-1967 | 700 North Adam | is P.O. Box 19001 Green Ba | y, WI 54307-9001 | | Authoriz | ation No. | NA | |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer National Other Year Replaced, or Code Serial No. Board No. ID Built Replaced, or Replacement Stamped LD-5 CROSBY ASHTON GAGE NF NA CS109-001 1970 REPAIRED N | 4. Identification of | System <u>35</u> Class 2 <u>C</u> | HEMICAL AND VO | LUME CONTR | <u>OL</u> Expiration | n Date | NA | |
| 6. Identification of Components Repaired or Replaced and Replacement Components Name of | 5. (a) Applicable C | Construction Code <u>B31.1-19</u> | <u> 167</u> | | Code Ca | ise <u>NA</u> | ٠ | |
| 6. Identification of Components Repaired or Replaced and Replacement Components Name of | | | • | | | | | |
| Name of Component Name of Manufacturer Serial No. Board No. ID Built Replaced, or Replaced, or Replaced, or Replaced, or Replacement Stamped Code Component CO. CROSBY ASHTON GAGE NF NA CS109-001 1970 REPAIRED N 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-5. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Exempt Other Pressure 250 psi Test Temp. 73 deg. F | (b) Applicable E | Edition of Section XI Utilized for | or Repairs or Repla | cements 198 | 9 | | | |
| Name of Component Name of Manufacturer Serial No. National Other Year Replaced, or Replaced, or Replaced, or Replacement Name of Manufacturer Serial No. NA CS109-001 1970 REPAIRED N 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-5. 8. Tests Conducted: Hydrostatic Pressure 250 psi Test Temp. 73 deg. F | | | | | _ | | | |
| Name of Component Name of Manufacturer Serial No. National Other Year Replaced, or Replaced, or Replaced, or Replacement Name of Manufacturer Serial No. NA CS109-001 1970 REPAIRED N 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-5. 8. Tests Conducted: Hydrostatic Pressure 250 psi Test Temp. 73 deg. F | | | | | _ | | | |
| 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-5. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Exempt Other Pressure 250 psi Test Temp. 73 deg. F | | | | | _ | | | |
| 7. Description of Work REMOVE AND TEST CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE LD-5. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Exempt Other Pressure 250 psi Test Temp. 73 deg. F | 6. Identification of 0 | Components Repaired or Rep | placed and Replace | ment Compone | nts Other | | Replaced, or | |
| 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Exempt Other Pressure 250 psi Test Temp. 73 deg. F | 6. Identification of 0 Name of Component | Components Repaired or Rep Name of Manufacturer CROSBY ASHTON GAGE | Manufacturer Serial No. | ment Compone National Board No. | Other | Built | Replaced, or Replacement | Code Stamped |
| 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Exempt Other Pressure 250 psi Test Temp. 73 deg. F | 6. Identification of 0 Name of Component | Components Repaired or Rep Name of Manufacturer CROSBY ASHTON GAGE | Manufacturer Serial No. | ment Compone National Board No. | Other | Built | Replaced, or Replacement | Code Stamped |
| Other Pressure <u>250</u> psi Test Temp. <u>73</u> deg. F | 6. Identification of 0 Name of Component | Components Repaired or Rep Name of Manufacturer CROSBY ASHTON GAGE | Manufacturer Serial No. | ment Compone National Board No. | Other | Built | Replaced, or Replacement | Code Stamped |
| Other Pressure <u>250</u> psi Test Temp. <u>73</u> deg. F | 6. Identification of 0 Name of Component LD-5 | Name of Manufacturer CROSBY ASHTON GAGE | Manufacturer Serial No. | National Board No. | Other ID CS109-001 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped |
| Other Pressure <u>250</u> psi Test Temp. <u>73</u> deg. F | 6. Identification of 0 Name of Component LD-5 | Name of Manufacturer CROSBY ASHTON GAGE | Manufacturer Serial No. | National Board No. | Other ID CS109-001 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped |
| | 6. Identification of 0 Name of Component LD-5 7. Description of W | Name of Manufacturer CROSBY ASHTON GAGE CO. | Manufacturer Serial No. NF | National Board No. NA | Other ID CS109-001 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped |
| 9. Remarks NOT APPLICABLE. | 6. Identification of 0 Name of Component LD-5 7. Description of W | Name of Manufacturer CROSBY ASHTON GAGE CO. | Manufacturer Serial No. NF | National Board No. NA | Other ID CS109-001 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped |
| | 6. Identification of 0 Name of Component LD-5 7. Description of W | Name of Manufacturer CROSBY ASHTON GAGE CO. | Manufacturer Serial No. NF CLASS 2 CHEMIC | National Board No. NA | Other ID CS109-001 ME CONTROL ting Pressure | Built 1970 SYSTEM | Replaced, or Replacement REPAIRED 1 2" VALVE LD-5. | Code Stamped |

Sheet 2 of 2

Date: 06/11/97

Name of Component: LD-5

Work Request Number: 211729

| Certificate of Co | ompliance | |
|---|-----------------------|------------------------------|
| We certify that the statements made in the report are correct and this | repaired | conforms to the rules of the |
| ASME Code Section XI. | repair or replacement | |
| Type Code Symbol Stamp NA | | |
| | piration Date | NA |
| Signed Phillip C. Bukes Inspection analyst Owner or Owner's Designee, Title | 5 Date | uly 1 19 97 |

Certificate of INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period \(\overline{\text{July}}\), \(\frac{1995}{1995}\) to \(\overline{\text{Juc-30,1997}}\), and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

| | Room Mohum | | | Commissions | NB7741, I, N, IS, A WIS 38 / /00024 |
|------|-----------------------|------|----|-------------|---|
| | Inspector's Signature | | | | National Board, State, Province, and Endorsements |
| Date | July 2 | _ 19 | 97 | | |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscon | sin Public Service Corp. | , | | Date 0 | 6/16/97 | | |
|--|---|---|-----------------------------|-------------------------------|---------------------|---|-------------------------|
| 700 North Adam | ns P.O. Box 19001 Green | n Bay, WI 54307-9001 | L | Sheet | 1 | of2 | <u> </u> |
| 2. Plant <u>Kewaune</u> | e Nuclear Power Plant | | | Unit <u>N</u> | lo. <u>1</u> | | |
| N490 HWY 42 | Kewaunee, WI 54216-95 | <u>10</u> | | Work Re | equest Nu | mber <u>211821</u> | |
| 3. Work Performed | By Wisconsin Public Se | ervice Corp. | | Type Co | de Symb | ol Stamp <u>NA</u> | |
| 700 North Adam | ns P.O. Box 19001 Green | Bay, WI 54307-9001 | | Authoriz | ation No. | <u>NA</u> | |
| 4. Identification of | System <u>06</u> Class 2 | MAIN STEAM AND | STEAM DUMP | Expiration | on Date | NA | |
| | | -1967 | | Code Ca | se <u>NA</u> | | |
| 5. (a) Applicable C | Construction Code <u>B31.1</u> | <u> </u> | | | | | |
| ., ., | Construction Code <u>B31.1</u> Edition of Section XI Utilize | | acements 198 | 9 | | • | |
| (b) Applicable E | Edition of Section XI Utilize | ed for Repairs or Repla | | | | | |
| (b) Applicable E | | ed for Repairs or Repla | | | | · | |
| (b) Applicable E | Edition of Section XI Utilize | ed for Repairs or Repla | | | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| (b) Applicable E 6. Identification of C Name of | Edition of Section XI Utilize Components Repaired or F | ed for Repairs or Replace Replaced and Replace Manufacturer Seriai No. | ement Compone | nts Other | | Replaced, or | Code |
| (b) Applicable E 6. Identification of 0 Name of Component | Edition of Section XI Utilize Components Repaired or F Name of Manufacturer SCHUETTE & KOERTII CO. | ed for Repairs or Replace Replaced and Replace Manufacturer Seriai No. | National Board No. | Other ID SD024-001 | 1970 | Replaced, or Replacement REPAIRED | Code Stamper N |
| (b) Applicable E 6. Identification of C Name of Component MS-1A 7. Description of W | Components Repaired or F Name of Manufacturer SCHUETTE & KOERTII CO. | Manufacturer Seriai No. | National Board No. | Other ID SD024-001 | 1970 | Replaced, or Replacement REPAIRED | Code Stamper N |
| (b) Applicable E 6. Identification of C Name of Component MS-1A 7. Description of W | Components Repaired or F Name of Manufacturer SCHUETTE & KOERTII CO. | Manufacturer Seriai No. | National Board No. NA | Other ID SD024-001 | Built 1970 P SYSTEM | Replaced, or Replacement REPAIRED M 30" VALVE MS-14 | Code Stamped N |
| (b) Applicable E 6. Identification of C Name of Component MS-1A 7. Description of W 8. Tests Conducted: | Edition of Section XI Utilize Components Repaired or F Name of Manufacturer SCHUETTE & KOERTII CO. OPEN FOR INSPEC | Manufacturer Seriai No. NG NF CTION CLASS 2 MAII | National Board No. NA | Other ID SD024-001 STEAM DUMF | Built 1970 P SYSTEM | Replaced, or Replacement REPAIRED M 30" VALVE MS-14 | Code Stamped N |

Sheet 2 of 2

Date: <u>06/16/97</u>

Name of Component: MS-1A

Work Request Number: 211821

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukles Inspection (malyst) Date July 1 , 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1, 1995 to June 30, 1991, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this cortificate neither the Inspector nor his employer makes any warranty, expressed or implied, conceming the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 1000 24 (Inspector's Signature National Board, State, Province, and Endorsements |
| Date July 2 19 97 |

As Required by the Provisions of the ASME Code Section XI

| . Owner Wisconsin Public Service Corp. | | | | | |
|--|-----------------------|-----------------|---------------|--|-------------------------|
| | | Date <u>06</u> | 6/16/97 | · | |
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | Sheet | 1 | of2 | |
| Plant Kewaunee Nuclear Power Plant | | Unit <u>N</u> o | <u>. 1</u> | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | Work Re | quest Nu | mber <u>211846</u> | |
| Work Performed By Wisconsin Public Service Corp. | | Type Co | de Symbo | ol Stamp <u>NA</u> | |
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | Authoriza | ation No. | NA | |
| . Identification of System <u>06</u> Class 2 <u>MAIN STEAM AND S</u> | STEAM DUMP | Expiratio | n Date | NA_ | |
| . (a) Applicable Construction Code B31.1-1967 | | Code Ca | se <u>NA</u> | | |
| (b) Applicable Edition of Section XI Utilized for Repairs or Replacement | cements 1989 | 2 | | | |
| . Identification of Components Repaired or Replaced and Replace | ment Componer | nts | | | |
| . Identification of components repaired of replaced and replaces | | , | | | |
| lame of Manufacturer Component Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| IS-1B SCHUTTE & KOERTING NF | NA | SD024-002 | 1970 | REPAIRED | N |
| CO. | | | | | |

Sheet 2 of 2

Date: <u>06/16/97</u>

Name of Component: MS-1B
Work Request Number: 211846

| Certificate of Compliance |
|--|
| We certify that the statements made in the report are correct and this repaired conforms to the rules of the |
| ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C Bukes Inspection (malyst Date July) , 19 97 Bwner 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>Tuly 1, 1995</u> to <u>Tune 30, 1997</u> , and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes arry warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 1000 24 Inspector's Fignature National Board, State, Province, and Endorsements |
| |

As Required by the Provisions of the ASME Code Section XI

| | nsiri Public Service Corp. | | | Date | 06/07/97 | | |
|--|---|--|----------------------------------|-------------------------|-----------------------------|---|------------------------|
| 700 North Adar | ns P.O. Box 19001. Green I | Bay, WI 54307-900 | <u>I</u> | Sheet | | l of | 2 |
| 2. Plant Kewaune | ee Nuclear Power Plant | | | Unit | <u>No. 1</u> | | |
| N490 HWY 42 | Kewaunee, WI 54216-9510 | <u>0</u> | | Work | Request N | umber <u>211949</u> | |
| 3. Work Performed | d By Wisconsin Public Sen | vice Corp. | | Туре | Code Symb | ool Stamp <u>NA</u> | |
| 700 North Adan | ns P.O. Box 19001 Green B | lay, WI 54307-9001 | | Autho | rization No. | <u>NA</u> | |
| 4. Identification of | System <u>23</u> Class 2 | CONTAINMENT SP | RAY | Expira | tion Date | NA | |
| 5. (a) Applicable (| Construction Code <u>B31.1-1</u> | <u> 1967</u> | | Code | Case <u>NA</u> | | |
| (h) Annlicable F | Edition of Section XI Utilized | for Popoiss or Books | cements 1989 | • | | | |
| /-/ | | | | | | | |
| (-) | | , -, | | _ | | | |
| | Components Repaired or Re | | | nts | | | |
| | · | | | nts | | | |
| | · | | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| 6. Identification of o | Components Repaired or Re Name of Manufacturer ITT GRINNELL VALVE | eplaced and Replace | ment Componer | Other | | | |
| 6. Identification of the state | Components Repaired or Re Name of Manufacturer | eplaced arid Replace Manufacturer Seriai No. | ment Componer Nationai Board No. | Other ID | Built | Replaced, or Replacement | Code Stampe |
| 6. Identification of the second of the secon | Name of Manufacturer ITT GRINNELL VALVE CORP. | Manufacturer Seriai No. | Mationai Board No. | Other ID NA | Built 1971 | Replaced, or Replacement REPAIRED | Code Stampe N |
| 6. Identification of the second of the secon | Name of Manufacturer ITT GRINNELL VALVE CORP. | Manufacturer Seriai No. NA | Mationai Board No. | Other ID NA | Built 1971 | Replaced, or Replacement REPAIRED | Code Stampe N |
| 6. Identification of the state | Name of Manufacturer ITT GRINNELL VALVE CORP. | Manufacturer Seriai No. NA | Mationai Board No. | Other ID NA | Built 1971 | Replaced, or Replacement REPAIRED | Code Stamper N |
| 6. Identification of the second of the secon | Name of Manufacturer ITT GRINNELL VALVE CORP. Ork REPAIR CLASS 2 INTEREST AND INSTALE | Manufacturer Seriai No. NA | Mationai Board No. | Other ID NA NA | Built 1971 3-H3 BY AC | Replaced, or Replacement REPAIRED | Code Stamper N |
| 6. Identification of the Name of Component ICS-H3 | Name of Manufacturer ITT GRINNELL VALVE CORP. Fork REPAIR CLASS 2 INTERPRETATIONSTALE | Manufacturer Seriai No. NA TERNAL CONTAINE LING SPACERS. | Mational Board No. NA | Other ID NA NA | Built 1971 3-H3 BY AC | Replaced, or Replacement REPAIRED DDING BOLT, TIGHT Exempt X | Code Stampe N |

Sheet 2 of 2

Date: <u>06/07/97</u>

Name of Component: <u>ICS-H3</u>

Work Request Number: 211949

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this repair or replacement conforms to the rules of the ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C Bukes Inspection analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period [1995] to [1995], and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 1000 24 National Board, State, Province, and Endorsements Date |

As Required by the Provisions of the ASME Code Section XI

| 1 Owner Wie | consiri Public Service Corp. | | | | | • | |
|---|--|--|-----------------------------|--------------|---------------------------|--|------------------------|
| | | | | Date | 05/28/97 | | |
| 700 North Ad | 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | | 1 of | 2 |
| 2. Plant Kewaunee Nuclear Power Plant | | | | | <u>No. 1</u> | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | | | Request N | umber <u>211998</u> | |
| Work Performed By <u>Wisconsin Public Service Corp.</u> | | | | | Code Symb | ool Stamp <u>NA</u> | |
| 700 North Ad | ams P.O. Box 19001 Green | n Bay, WI 54307-9001 | | Author | rization No. | . <u>NA</u> | |
| 4. Identification of | of System <u>05B</u> Class 2 | AUXILIARY FEEDV | VATER | Expira | tion Date | NA_ | |
| 5. (a) Applicable | Construction Code B31. | 1-1967 | | Code (| Case <u>NA</u> | | |
| - (-) - wpnouble | | | | | | | |
| (b) Applicable | Edition of Section XI Utilize of Components Repaired or | ed for Repairs or Repla | | - | | | |
| (b) Applicable | Edition of Section XI Utilize | ed for Repairs or Repla | | - | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe |
| (b) Applicable 6. Identification of | Edition of Section XI Utilize of Components Repaired or Name of | ed for Repairs or Replace Replaced and Replace Manufacturer | ement Compone | nts Other | | Replaced, or | Code |
| (b) Applicable 6. Identification of Name of Component | Edition of Section XI Utilize of Components Repaired or Name of Manufacturer ITT GRINNELL Work REPAIR CLASS 2 | ed for Repairs or Replace Replaced and Replace Manufacturer Serial No. NA | Nationai Board No. | Other ID NA | Built 1988 DW-H99 B | Replaced, or Replacement REPAIRED | Code Stampe N |
| (b) Applicable 6. Identification of Name of Component FDW-H99 7. Description of N | e Edition of Section XI Utilize of Components Repaired or Name of Manufacturer ITT GRINNELL | ed for Repairs or Replace Replaced and Replace Manufacturer Serial No. NA AUXILIARY FEEDWA | National Board No. NA | Other ID NA | Built 1988 DW-H99 B | Replaced, or Replacement REPAIRED Y TIGHTENING LO Exempt X | Code Stampe N |
| (b) Applicable 6. Identification of Name of Component FDW-H99 7. Description of N | e Edition of Section XI Utilize of Components Repaired or Name of Manufacturer ITT GRINNELL Work REPAIR CLASS 2 | ed for Repairs or Replace Replaced and Replace Manufacturer Serial No. NA AUXILIARY FEEDWA | National Board No. NA | Other ID NA | Built 1988 | Replaced, or Replacement REPAIRED Y TIGHTENING LO Exempt X | Code Stampe N |

Sheet 2 of 2

Date: <u>05/28/97</u>

Name of Component: FDW-H99

Work Request Number: 211998

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| repair or replacement ASME Code Section XI. |
| ASIME COME SECTION AT. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukes Inspection analyst Date July 1997 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>July</u> , 1995 to <u>Juris</u> , 1997, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 100024 National Board, State, Province, and Endorsements |
| Date July of 19 77 |

As Required by the Provisions of the ASME Code Section XI

| 1 Owner Wise | | | | | | | |
|--|---|---|---|------------------------|--------------------------|--|-------------------------|
| i. Owner <u>vvisc</u> | onsin Public Service Corp | <u>).</u> | | Date | 05/28/97 | | |
| 700 North Ad | 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | | 1 of | 2 |
| 2. Plant <u>Kewau</u> | Plant Kewaunee Nuclear Power Plant | | | | | | |
| N490 HWY 4 | N490 HWY 42 Kewaunee, WI 54216-9510 | | | | | umber <u>211998</u> | |
| 3. Work Perform | Work Performed By <u>Wisconsin Public Service Corp.</u> | | | | | ool Stamp <u>NA</u> | |
| 700 North Ada | ams P.O. Box 19001 Gree | en Bay, WI 54307-9001 | | Author | ization No | NA | |
| 4. Identification of | of System <u>05B</u> Class 2 | AUXILIARY FEEDV | VATER | Expira | tion Date | NA | |
| 5. (a) Applicable | Construction Code B31 | l.1-19 <u>67</u> | | Code | Case <u>NA</u> | | |
| (b) Applicable | Edition of Section XI Utili | zed for Repairs or Repla | acoments 198 | 9 | | | |
| 6 Identification of | of Components Repaired o | r Penjaced and Penjace | mant Carrage | -4- | | | |
| | components repaired o | Replaced and Replace | ment compone | nts | | | |
| | | | | | | | - |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| | | | | | | | |
| Component | Manufacturer | Serial No. | Board No. | ID | Built | Replaced, or Replacement | Code Stamped |
| Component | Manufacturer ITT GRINNELL Work REPAIR CLASS 2 | Serial No. NA 2 AUXILIARY FEEDWA Pneumatic | Board No. NA TER SYSTEM 3 Nominal Operat | NA NA " HANGER F | Built 1988 DW-H100 | Replaced, or Replacement REPAIRED BY REPLACING JA Exempt X | Code Stamped N |
| FDW-H100 7. Description of N 8. Tests Conducte | Manufacturer ITT GRINNELL Work REPAIR CLASS 2 d: Hydrostatic | Serial No. NA 2 AUXILIARY FEEDWA Pneumatic | Board No. NA TER SYSTEM 3 Nominal Operat | NA "HANGER F | Built 1988 DW-H100 | Replaced, or Replacement REPAIRED BY REPLACING JA Exempt X | Code Stamped N |

Sheet 2 of 2

Date: 05/28/97

Name of Component: FDW-H100

Work Request Number: 211998

| Certificate of Co | ompliance | |
|--|---------------------|---------------------------------------|
| We certify that the statements made in the report are correct and this | repaired | conforms to the rules of the |
| The senting that the statements made in the report and somest and this | repair or replacem | |
| ASME Code Section XI. | | |
| Type Code Symbol Stamp NA | | |
| | piration Date | NA |
| Signed Phillip & Bukes Insertion analysis Owner or Owner's Designee, Title | b Date | July 1 19 97 |
| <u> </u> | <u>.</u> | |
| Certificate of INSERVIO | CE INSPECTIO | N |
| I, the undersigned, holding a valid commission issued by the National I | Board of Boiler and | Pressure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boile | r Inspection and In | s. Co. of Hartford, CT have inspected |

Report in accordance with the requirements of the ASME Code, Section XI.

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

the components described in this Owner's Report during the period July 1,1985 to July 1,1995, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's

As Required by the Provisions of the ASME Code Section XI

| 1 Owner Wisc | onsin Public Service Corp. | | | Date 0 | 6/16/97 | | |
|--|---|--|---|--|------------------------------|--|-------------------------|
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | | | of2_ | |
| Plant Kewaunee Nuclear Power Plant | | | | Sheet Unit N | | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | | Work Re | equest Nu | ımber <u>212125</u> | |
| Work Performed By Wisconsin Public Service Corp. | | | | Type Co | de Symb | ol Stamp <u>NA</u> | |
| 700 North Ad | ams P. O . Box 19001 Gree | n Bay, WI 54307-9001 | | Authoriz | ation No. | NA | |
| 4. Identification | of System 35 Class 2 | CHEMICAL AND VO | LUME CONTR | OL Expiration | on Date | NA | |
| 5 (a) Annlicable | Construction Code B31. | .1-1967 | | Code Ca | ase <u>NA</u> | | |
| o. (a) Applicabil | | | | | | | |
| | e Edition of Section XI Utiliz | zed for Repairs or Repla | cements 198 | <u>9</u> | | | |
| (b) Applicable | e Edition of Section XI Utiliz | | | - | | | |
| (b) Applicable | | | | - | | | |
| (b) Applicable | | | | - | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| (b) Applicable 6. Identification of | of Components Repaired or | Replaced and Replace Manufacturer Serial No. | ment Compone | nts Other | | Replaced, or | Code |
| (b) Applicable 6. Identification of Name of Component CVC-214 | Name of Manufacturer GRINNELL FIRE PROTECTION SYSTE CO. | Manufacturer Serial No. | National Board No. | Other ID CS033-002 | Built 1973 | Replaced, or Replacement REPLACEMENT | Code Stamped N |
| (b) Applicable 6. Identification of Name of Component | Name of Manufacturer GRINNELL FIRE PROTECTION SYSTE CO. | Replaced and Replace Manufacturer Serial No. | National Board No. | Other ID CS033-002 | Built 1973 | Replaced, or Replacement REPLACEMENT | Code Stamped N |
| (b) Applicable 6. Identification of Name of Component CVC-214 | Name of Manufacturer GRINNELL FIRE PROTECTION SYSTE CO. | Manufacturer Serial No. | National Board No. | Other ID CS033-002 | Built 1973 | Replaced, or Replacement REPLACEMENT | Code Stamped N |
| (b) Applicable 6. Identification of Name of Component CVC-214 7. Description of | Name of Manufacturer GRINNELL FIRE PROTECTION SYSTE CO. | Manufacturer Serial No. NF EMS | National Board No. NA | Other ID CS033-002 | Built 1973 NTROL S | Replaced, or Replacement REPLACEMENT YSTEM 3" VALVE CV | Code Stamped N |
| (b) Applicable 6. Identification of Name of Component CVC-214 7. Description of | Name of Manufacturer GRINNELL FIRE PROTECTION SYSTE CO. Work REPLACE DIAPH ed: Hydrostatic | Manufacturer Serial No. NF RAGM ON CLASS 2 Cl Pneumatic Pressure 39 | National Board No. NA HEMICAL AND Nominal Opera | Other ID CS033-002 VOLUME CON string Pressure | Built 1973 NTROL S' deg. F | Replaced, or Replacement REPLACEMENT YSTEM 3" VALVE CV Exempt | Code Stamped N |

Date: 06/16/97

Name of Component: CVC-214

Work Request Number: 212125

| conforms to the rules of the eplacement |
|---|
| |
| |
| • |
| |
| te NA |
| July 1, 19 97 |
| |
| ECTION |
| _ > |

State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected the components described in this Owner's Report during the period <u>July 1, 1995</u> to <u>Jure 3, 1997</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer

| shall be liable in any manner for any personal injury or prop | erty damage or a | loss of any kind arising from or connected with |
|---|------------------|--|
| this inspection. | | |
| Liven Myseum Unspector's Signature Date | Commissions | NB7741, I, N, IS, A WIS 38 / 10002 / National Board, State, Province, and Endorsements |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscons | in Public Service Corp. | | | Date <u>0</u> | 6/12/97 | | |
|---|--|--|------------------------------------|---------------------|--------------------------|--|-------------------------|
| 700 North Adams | s P.O. Box 19001 Green | Bay, WI 54307-9001 | | Sheet | 1 | of2 | <u></u> |
| 2. Plant <u>Kewaunee Nuclear Power Plant</u> | | | | Unit <u>N</u> | o. 1 | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | | | equest Nu | mber <u>212185</u> | |
| Work Performed By <u>Wisconsin Public Service Corp.</u> | | | | | de Symbo | ol Stamp NA | |
| 700 North Adams | s P.O. Box 19001 Green I | Bay, WI 54307-9001 | | Authoriz | ation No. | NA | • |
| 4. Identification of S | System 35 Class 2 | CHEMICAL AND VO | LUME CONTRO | <u>L</u> Expiration | on Date | NA | |
| 5. (a) Applicable C | onstruction Code ASME | III CLASS C | | Code Ca | ase <u>NA</u> | | |
| | dition of Contion VI I Hilling | d for Renairs or Renla | cements 1989 | | | | |
| (b) Applicable E | dition of Section At Othizet | a lot ricpans of riopia | | | | | |
| | | | | de . | | | |
| | Components Repaired or R | | | ts | | | |
| | | | | Other | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped |
| 6. Identification of C | Components Repaired or R | Replaced and Replace | ment Component | Other | | Replaced, or | Code |
| 6. Identification of C Name of Component | Components Repaired or R Name of Manufacturer | Replaced and Replace Manufacturer Serial No. | ment Component National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamped |
| 6. Identification of C Name of Component | Name of Manufacturer ATLAS | Manufacturer Serial No. 1206 CHEMICAL AND VOL | National Board No. | Other ID | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped Y |
| 6. Identification of C Name of Component AHLD(CLASS 2) | Name of Manufacturer ATLAS ORK REPAIR CLASS 2.0 WELDING INSTALL | Manufacturer Serial No. 1206 CHEMICAL AND VOL | National Board No. | Other ID 00060 | Built 1970 | Replaced, or Replacement REPAIRED | Code Stamped Y |
| 6. Identification of Control of Control of Component AHLD(CLASS 2) 7. Description of Wo | Name of Manufacturer ATLAS ORK REPAIR CLASS 2.0 WELDING INSTALL | Manufacturer Serial No. 1206 CHEMICAL AND VOL | National Board No. 1031 | Other ID 00060 | Built 1970 TDOWN H | Replaced, or Replacement REPAIRED HEAT EXCHANGER Exempt | Code Stamped Y |

Sheet 2 of 2

Date: <u>06/12/97</u>

Name of Component: AHLD(CLASS 2)

Work Request Number: 212185

| Certificate of Compilative |
|--|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| repair or replacement ASME Code Section XI. |
| Admit dode decion XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip E. Bukes Inspection analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period <u>July 1995</u> to <u>June 39,1917</u> and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 1000 24 Inspector's Signature Date |

As Required by the Provisions of the ASME Code Section XI

| 1. Owner Wiscon | nsin Public Service Corp. | | | Date <u>06</u> | 6/30/97 | | | |
|---|---|--|-------------------------------------|-------------------------------|----------------------------|---|------------------------|--|
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | Sheet | 1 | of2 | | |
| 2. Plant <u>Kewaunee Nuclear Power Plant</u> | | | | Unit <u>N</u> | lo. 1 | | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | | Work Re | Work Request Number 212298 | | | |
| Work Performed By <u>Wisconsin Public Service Corp.</u> | | | | Туре Со | ode Symbo | ol Stamp NA | | |
| 700 North Adar | ms P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Authoriz | ation No. | NA_ | | |
| 4. Identification of | f System 35 Class 2 C | CHEMICAL AND VO | DLUME CONTRO | <u>)L</u> Expiration | on Date | NA | | |
| | Construction Code SEC III | CL2-1980 ADD | | Code Ca | ase <u>NA</u> | | | |
| 5. (a) Applicable | Construction Code SEC.III (| | | | | | | |
| | Edition of Section XI Utilized | for Repairs or Repla | cements 1989 | | | | | |
| (b) Applicable | | | | | | | | |
| (b) Applicable | Edition of Section XI Utilized t | | | | | | · | |
| (b) Applicable | Edition of Section XI Utilized t | | | | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe | |
| (b) Applicable 6. Identification of Name of | Edition of Section XI Utilized to from the formula of Repaired or Repaired Name of | placed and Replace | ement Componen | ts Other | | Replaced, or | Code | |
| (b) Applicable 6. Identification of Name of Component | Edition of Section XI Utilized of Components Repaired or Re Name of Manufacturer | placed and Replace Manufacturer Serial No. | ement Componen National Board No. | Other ID | Built | Replaced, or Replacement | Code Stampe | |
| (b) Applicable 6. Identification of Name of Component | Edition of Section XI Utilized of Components Repaired or Repaired | Manufacturer Serial No. | National Board No. | Other ID 162-937 | Built 1981 | Replaced, or Replacement REPAIRED | Code Stampe Y | |
| (b) Applicable 6. Identification of Name of Component APSS-1C 7. Description of V | Edition of Section XI Utilized of Components Repaired or Resident Mame of Manufacturer GREER HYDRAULICS Work REBUILD CLASS 2 CONTROL STABILIZER. | Manufacturer Serial No. | National Board No. | Other ID 162-937 | Built 1981 | Replaced, or Replacement REPAIRED | Code Stampe Y | |
| (b) Applicable 6. Identification of Name of Component APSS-1C | Edition of Section XI Utilized of Components Repaired or Resident Mame of Manufacturer GREER HYDRAULICS Work REBUILD CLASS 2 CONTROL STABILIZER. | Manufacturer Serial No. GH1-10236 | National Board No. 570 | Other ID 162-937 | Built 1981 CHARGING | Replaced, or Replacement REPAIRED B PUMP 1C SUCTION Exempt | Code Stampe Y | |
| (b) Applicable 6. Identification of Name of Component APSS-1C 7. Description of Name of Name of Component | Edition of Section XI Utilized of Components Repaired or Ref Name of Manufacturer GREER HYDRAULICS Work REBUILD CLASS 2 CONTABILIZER. | Manufacturer Serial No. GH1-10236 CHEMICAL AND VO | National Board No. 570 | Other ID 162-937 L SYSTEM C | Built 1981 CHARGING | Replaced, or Replacement REPAIRED B PUMP 1C SUCTION Exempt | Code Stampe Y | |

Sheet 2 of 2

Date: <u>06/30/97</u>

Name of Component: APSS-1C

Work Request Number: 212298

| Certificate of Co | mpliance |
|---|---|
| We certify that the statements made in the report are correct and this | repaired conforms to the rules of the |
| ASME Code Section XI. | repair or replacement |
| Type Code Symbol Stamp NA | |
| | ration Date NA |
| Signed Phillip C. Bukes Inspection Analyst Owner or Owner's Designee, Title | Date July 1 , 19 97 |
| Certificate of INSERVICE | INSPECTION |
| I, the undersigned, holding a valid commission issued by the National B | MSPECTION |
| I, the undersigned, holding a valid commission issued by the National Box | ard of Boiler and Pressure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler In | espection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July | 1, 1995 to June 30, 1991, and state that to the best |
| the Owner has performed examinations and t | taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section X | ii. |
| By signing this certificate neither the Inspector nor his employer makes | |
| examinations and corrective measures described in this Course to T | any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. | Furthermore, neither the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damage or | a loss of any kind arising from or connected with |
| this inspection. | |
| • | |
| D 91.4- | |
| Roya Myun Commissions | NB7741, I, N, IS, A WIS 100024 |
| Competition is aggnature | National Board, State, Province, and Endorsements |
| Date | |

As Required by the Provisions of the ASME Code Section XI

| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | Sheet | Sheet1 of2 | | | | | |
|--|---|--|-------------------------|---------------------|----------------------|--|------------------------|--|--|
| 2. Plant <u>Kewaune</u> | Plant <u>Kewaunee Nuclear Power Plant</u> | | | Unit <u>N</u> | Unit No. 1 | | | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 3. Work Performed By Wisconsin Public Service Corp. | | | Work Re | quest Nu | mber <u>Act.</u> No. | 23-056 | | | |
| | | | Туре Со | de Symbo | ol Stamp <u>NA</u> | | | | |
| 700 North Adam | s P.O. Box 19001 Green B | ay, WI 54307-9001 | | Authoriza | ation No. | NA | | | |
| 4. Identification of S | System <u>23</u> Class 2 | CONTAINMENT SPE | RAY | Expiration | n Date | NA | | | |
| 5. (a) Applicable C | onstruction Code <u>B16.5</u> - | <u>-1967</u> | | Code Ca | se <u>N/A</u> | | | | |
| (-) | | | | • | | | | | |
| (b) Applicable E | Edition of Section XI Utilized of Components Repaired or Re | | | <u>9</u> | | | | | |
| (b) Applicable E 6. Identification of C Name of | | | | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampe | | |
| (b) Applicable E | Components Repaired or Re | placed and Replacement | nt Components National | Other | | Replaced, or | Code | | |
| (b) Applicable E 6. Identification of C Name of Component | Name of Manufacturer TRW MISSION MANUFACTURING | placed and Replacement Manufacturer Serial No. | National Board No. | Other ID ICS004-003 | 1970 | Replaced, or Replacement REPAIRED | Code Stamp | | |

Sheet 2 of 2

Date: <u>11/30/95</u>

Name of Component: ICS-4A

Work Request Number: Act. No.23-056

| | Certific | ate of Comp | liance | | |
|---|----------------------------|--------------------------|-----------------|---|-------|
| We certify that the statements ma | de in the report are corre | ect and thisr | epaired | conforms to the rules of the | |
| ASME Code, Section XI. | | repa | ir or replaceme | ent | |
| | • | | | | |
| Type Code Symbol Stamp NA | | | | | |
| Certificate of Authorization No. | NA | Expiratio | n Date | NA | |
| Signed Phill . A Robert | Plant Inser | vice | D-4- | N.A. 1 40 97 | |
| Owner or Owner's I | Designee, Title | maryou | Date | July 1 , 19 9 1 | |
| | | | | | |
| | | | | | |
| | Certificate of I | NSERVICE I | NSPECTIC | N | |
| I, the undersigned, holding a valid con | ımission issued by the N | National Board of | Boiler and Pres | ssure Vessel Inspectors and the | |
| State or Province of Wisconsin and en | nployed by Hartford Ste | am Boiler Inspect | ion and Ins. C | o. of Hartford, CT have inspected | |
| the compenents described in this Own | ner's Report during the p | period <i>July 1,199</i> | 5 to June | 6,/991, and state that to the best | |
| of my knowledge and belief, the Owne | | 0 ' | | • | |
| Repert in accordance with the require | | | | | |
| • | | • | | and arimulial assessing the | |
| By signing this certificate neither th | | | | • | |
| examinations and corrective measures | described in this Owne | er's Report. Furth | ermore, neithe | r the Inspector nor his employer | |
| shall be liable in any manner for any p | ersonal injury or property | y damage or a los | s of any kind a | rising from or connected with | |
| this inspection. | | | | | |
| | | | | | |
| 1 70 1 | | | | | |
| Koga Mojum | | Commissions | NB7741, I, I | N. IS, A WIS 38 / /00024 ard, State, Province, and Endorseme | ente |
| Inspector's Signature | | | Hadional Do | ina, otate, i rotinoe, and Endorsem | UII.O |
| Date July 2 | 19 <u>97</u> | _ | | | |

As Required by the Provisions of the ASME Code Section XI

| Owner Wisconsin | n Public Service Corp. | | | Date 0 | Date <u>06/18/97</u> | | | |
|---|---|--|--|--------------------------|----------------------|--|-------------------------|--|
| 700 North Adarns | 700 North Adarns P.O. Box 19001 Green Bay, WI 54307-9001 | | | | Sheet1 of2 | | | |
| 2. Plant <u>Kewaunee Nuclear Power Plant</u> | | | | Unit <u>N</u> | Unit No. 1 | | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | | Work Ro | equest No | umber <u>CMP</u> 36- | 0 07 . | |
| 3. Work Performed By Wisconsin Public Service Corp. | | | Type Co | ode Symb | ool Stamp <u>NA</u> | | | |
| 700 North Adams | P.O. Box 19001 Green | Bay, WI 54307-9001 | | Authoriz | ation No. | _NA_ | | |
| 4. Identification of Sys | stem <u>36</u> Class 1 | REACTOR COOLAI | <u>NT</u> | Expiration | on Date | _NA_ | | |
| 5. (a) Applicable Con | nstruction Code ASME | : III-1 <u>968</u> | | Code Ca | ase <u>NA</u> | | | |
| (b) Applicable Edit | tion of Section XI Utilized | d for Repairs or Repla | acements 198 | 9 | | | | |
| | • | · | | | ` | | | |
| | | | | | | | | |
| o. Identification of Co | mponents Repaired or R | Replaced and Replace | ement Compone | nts | | | | |
| o. identification of Co | mponents Repaired or R | Replaced and Replace | ement Compone | nts | | | | |
| Name of | mponents Repaired or R Name of Manufacturer | Replaced and Replace Manufacturer Serial No. | National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped | |
| Name of Component PR-3A | Name of | Manufacturer | National | Other | | Replaced, or | Code | |
| Name of Component PR-3A | Name of Manufacturer CROSBY, ASHTON | Manufacturer Serial No. | National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamped | |
| Name of Component PR-3A | Name of Manufacturer CROSBY, ASHTON | Manufacturer Serial No. | National Board No. | Other ID | Built | Replaced, or Replacement | Code Stamped | |
| Name of Component PR-3A | Name of Manufacturer CROSBY, ASHTON GAGE COMPANY | Manufacturer Serial No. | National Board No. NA | Other ID RC008-001 | Built 1972 | Replaced, or Replacement REPAIRED | Code Stamped | |
| Name of Component PR-3A | Name of Manufacturer CROSBY, ASHTON GAGE COMPANY | Manufacturer Serial No. NF | National Board No. NA | Other ID RC008-001 | Built 1972 | Replaced, or Replacement REPAIRED | Code Stamped | |
| Name of Component PR-3A | Name of Manufacturer CROSBY, ASHTON GAGE COMPANY | Manufacturer Serial No. NF | National Board No. NA | Other ID RC008-001 | Built 1972 | Replaced, or Replacement REPAIRED | Code Stamped | |
| Name of Component PR-3A (| Name of Manufacturer CROSBY, ASHTON GAGE COMPANY | Manufacturer Serial No. NF | National Board No. NA T SYSTEM 6" \ | Other ID RC008-001 | Built 1972 FOR TES | Replaced, or Replacement REPAIRED STING. | Code Stampe | |

Sheet 2 of 2

Date: 06/18/97

Name of Component: PR-3A

Work Request Number: CMP 36-007

| Certificate of Con We certify that the statements made in the report are correct and this RSME Code Section XI. | repaired conforms to the rules of the epair or replacement |
|---|--|
| Certificate of Authorization No. NA Expir Signed Phillip C. Bukes Inspection analyst Owner or Owner's Designee, Title | Date NA 19 97 |
| Certificate of iNSERVICE I, the undersigned, holding a valid commission issued by the National Bo | ard of Boiler and Pressure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler In the components described in this Owner's Report during the period of my knowledge and belief, the Owner has porformed examinations and Report in accordance with the requirements of the ASME Code, Section | taken corrective measures described in this Owner's |
| By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. shall be liable in any manner for any personal injury or property damage. | s any warranty, expressed or implied, concerning the |
| Tuly 2 19 97 | NB7741, I, N, IS, A WIS 38 / 1000 24 National Board, State, Provinca, and Endorsements |

As Required by the Provisions of the ASME Code Section XI

| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | Sheet | Sheet1 of2 | | | |
|---|--|--|------------------------------------|---|---------------|--|------------------------|--|
| 2. Plant <u>Kewaunee Nuclear Power Plant</u> | | | Unit <u>N</u> | Unit <u>No. 1</u> | | | | |
| N490 HWY 42 Kewaunee, WI 54216-9510 | | | | Work Re | quest Nu | mber <u>CMP</u> 36-0 | 07 | |
| Work Performed By <u>Wisconsin Public Service Corp.</u> | | | | Туре Со | de Symb | ol Stamp NA | | |
| 700 North Adams P.O. Box 19001 Green Bay, WI 54307-9001 | | | | | ation No. | _NA_ | | |
| 4. Identification o | 4. Identification of System 36 Class 1 REACTOR COOLANT | | | | | NA_ | | |
| 5. (a) Applicable | Construction Code ASME | <u>III-1968</u> | | Code Ca | ise <u>NA</u> | | | |
| 6. Identification o | f Components Repaired or R | Replaced and Replace | ement Compone | nts | | | | |
| 6. Identification o | f Components Repaired or R Name of Manufacturer | Replaced and Replace Manufacturer Serial No. | ement Compone National Board No. | Other ID | Year Built | Repaired, Replaced, or Replacement | ASME Code Stampo | |
| Name of | Name of | Manufacturer | National | Other | | Replaced, or | Code | |
| Name of Component | Name of Manufacturer CROSBY, ASHTON GAGE COMPANY Work REMOVE CLASS 1 | Manufacturer Serial No. | National Board No. NA | Other ID RC008-002 /ALVE PR-3B | 1972 | Replaced, or Replacement REPAIRED | | |

Sheet 2 of 2

Date: 06/18/97

Name of Component: PR-3B

Work Request Number: CMP 36-007

| Certificate of Compliance |
|---|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phellip C. Bukla Inspection analyst Date July 1, 19 97 Owner or Owner's Designee, Fitte |
| |
| Certificate of INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period July 1, 1995 to June 30, 1997, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any menner for any personal injury or property damage or a loss of any kind arising from or connected with |
| |
| this inspection. |
| Commissions NB7741, I, N, IS, A WIS 38 / 1000 24 National Board, State, Province, and Endorsements Date Tuly 2 19 97 |

As Required by the Provisions of the ASME Code Section XI

| 700 North Adam 2. Plant Kewaunee N490 HWY 42 3. Work Performed | s P.O. Box 19001 Green Be Nuclear Power Plant Kewaunee, WI 54216-9510 By Wisconsin Public Serv | | | Sheet Unit ! | No. 1 | of2 | |
|---|--|----------------------------|-----------------------|-------------------------|---------------|-----------------------------|------|
| 2. Plant Kewaunee N490 HWY 42 | Nuclear Power Plant Kewaunee, WI 54216-9510 By Wisconsin Public Serv | | | Unit <u>I</u> Work R | No. 1 | | |
| N490 HWY 42 | Kewaunee, WI 54216-9510 By Wisconsin Public Serv | | | Work R | | mber <u>PMP</u> -35-10 |) |
| 3. Work Performed | By Wisconsin Public Serv | | , | | equest Nu | mber <u>PMP</u> -35-10 |) |
| | | ice Corp. | | Type C | | | |
| 700 North Adam | | | | i ype O | ode Symbo | ol Stamp <u>NA</u> | |
| | s P.O. Box 19001 Green Ba | ay, WI 54307-9001 | | Authoria | zation No. | NA | |
| 4. Identification of S | system <u>35</u> Class NC <u>(</u> | CHEMICAL AND VO | LUME CONTRO | <u>DL</u> Expirati | on Date | NA | |
| 5. (a) Applicable C | onstruction Code <u>ASME S</u> | ECTION VIII | | Code C | ase <u>NA</u> | | |
| 6. Identification of C | components Repaired or Re | placed and Replace | ment Componen | ts | | Repaired. | ASM |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other ID | Year Built | Replaced, or Replacement | Code |
| ATBA-1A | JOSEPH OAT & SONS | 1877-1A | NA | 00090 | 1970 | REPLACEMENT | N |

NIS-2 (Back) Sheet 2 of 2

Date: 12/05/96

Name of Component: <u>ATBA-1A</u>

Work Request Number: PMP-35-10

| Certificate of Co | mpliance |
|---|---|
| We certify that the statements made in the report are correct and this _ ASME Code, Section XI. | replacement conforms to the rules of the repair or replacement |
| Type Code Symbol Stamp NA | |
| Certificate of Authorization No. NA Expi Signed Phillip C. Bukes Insection analyst Owner or Owner's Designee, Title | Date NA 19 97 |
| Certificate of INSERVIC | • |
| I, the undersigned, holding a valid commission issued by the National Boar | d of Boiler and Pressure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler Ins | _ |
| the components described in this Owner's Report during the period July | 1/995 to June 30, 1997, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and ta | ken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section X | l. |
| By signing this certificate neither the Inspector nor his employer makes | any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. | |
| shall be liable in any manner for any personal injury or property damage or | |
| this inspection. | |
| • | |
| Unspector's signature Commission | ons <u>NB7741, I, N, IS, A</u> <u>WIS 38 / / 000 3 4</u> National Bcard, State, Province, and Endorsements |
| Date | |

As Required by the Provisions of the ASME Code Section XI

| | · | | | | | | | |
|--|---------------------|---|--|---|-------------------|---------------------------|---|------------------------|
| 1. Owner | Wisconsi | n Public Service Corp. | | | Date (| 06/18/97 | | |
| 700 No | orth Adams | P.O. Box 19001 Green Ba | ay, Wi 54307-9001 | | Sheet | 1 | of2 | |
| 2. Plant | Kewaunee | Nuclear Power Plant | | | Unit <u>I</u> | No. 1 | | |
| N490 I | HWY 42 K | ewaunee ,Wi 54216-9510 | | | Work R | lequest Nu | mber <u>PM 35-17</u> | 5 |
| 3. Work P | Performed E | By Wisconsin Public Service | ce Corp. | | Туре С | ode Symb | ol Stamp <u>NA</u> | |
| 700 N o | orth Adams | P.O. Box 19001 Green Ba | y, Wi 54307-9001 | | Authori | zation No. | _NA | |
| 4. Identific | cation of Sy | vstem <u>35</u> Class 2 <u>C</u> | HEMICAL AND VO | LUME CONTRO | <u>OL</u> Expirat | ion Date | NA | |
| 5. (a) Apr | plicabl e Co | nstruction Code ASME III | CLASS C 1965 | | Code C | ase <u>NA</u> | • | |
| | | | | | | _ | | |
| /b\ A | -: | idea of Continuity (1) | Di Di- | | | | | |
| (b) App | plicable Ed | ition of Section XI Utilized for | or Repairs or Repla | cements 1989 | <u>)</u> | | | |
| • | | ition of Section XI Utilized for mponents Repaired or Rep | | | - | | | |
| • | | | | | - | | | |
| • | cation of Co | | | | - | Year Built | Repaired, Replacod, or Replacement | ASME Code Stampe |
| 6. Identific | cation of Co | omponents Repaired or Rep | Manufacturer | ment Componer | Other | | Replaced, or | Code |
| 6. Identific Name of Compone | cation of Co | omponents Repaired or Rep Name of Manufacturer | Manufacturer Serial No. | ment Componer National Board No. | Other ID | Built | Replaced, or Replacement | Code Stampe |
| 6. Identific Name of Compone | cation of Co | omponents Repaired or Rep Name of Manufacturer | Manufacturer Serial No. | ment Componer National Board No. | Other ID | Built | Replaced, or Replacement | Code Stampe |
| 6. Identific Name of Componer AFSI-1B | cation of Co | Name of Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. | Mational Board No. | Other ID 00098 | 1969 | Replaced, or Replacement REPLACEMENT | Code Stampe Y |
| 6. Identific Name of Componer AFSI-1B | cation of Co | Name of Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. 101073 | Mational Board No. | Other ID 00098 | 1969 | Replaced, or Replacement REPLACEMENT | Code Stampe Y |
| 6. Identific Name of Componer AFSI-1B | cation of Co | Name of Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. 101073 | Mational Board No. | Other ID 00098 | 1969 | Replaced, or Replacement REPLACEMENT | Code Stampe Y |
| 6. Identific Name of Componer AFSI-1B | ent | Name of Manufacturer COMMERCIAL FILTERS | Manufacturer Serial No. 101073 | Mational Board No. | Other ID 00098 | Built 1969 /OLUME C | Replaced, or Replacement REPLACEMENT | Code Stampe Y |
| 6. Identific Name of Compone AFSI-1B 7. Descrip | ent | Name of Manufacturer COMMERCIAL FILTERS TRANSPORTER THE FILTE WATER INJECTION F | Manufacturer Serial No. 101073 | National Board No. 1173 CLASS 2 CHEM | Other ID 00098 | Built 1969 /OLUME C | Replaced, or Replacement REPLACEMENT CONTROL SYSTEM S Exempt | Code Stampe Y |
| 6. Identific Name of Compone AFSI-1B 7. Descrip | ent ont onducted: | Name of Manufacturer COMMERCIAL FILTERS TR REPLACE THE FILTE WATER INJECTION F | Manufacturer Serial No. 101073 R ASSEMBLY ON ILTER 1B. | National Board No. 1173 CLASS 2 CHEM | Other ID 00098 | Built 1969 /OLUME C | Replaced, or Replacement REPLACEMENT CONTROL SYSTEM S Exempt | Code Stamp |

Sheet 2 of 2

Date: 06/18/97

Name of Component: AFSI-1B

Work Request Number: PM 35-175

| Certificate of Co | mpliance | |
|--|--|---|
| We certify that the statements made in the report are correct and this | | conforms to the rules of the |
| ASME Code Section XI. | repair or replacement | |
| Type Code Symbol Stamp NA | | |
| | piration Date | NA |
| Signed Phillip C. Bukes Inspection analysis Owner or Owner's Designee, Title | Date | July 1 , 19 97 |
| Certificate of INSERVIC | CE INSPECTION | |
| , the undersigned, holding a valid commission issued by the National E | Board of Boiler and Pre | ssure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler | · . · | • |
| he components described in this Owner's Report during the period $\mathcal{I}_{oldsymbol{\omega}}$ | ly 1, 1995 to Tune 3 | and state that to the best |
| of my knowledge and belief, the Owner has performed examinations ar | nd taken corrective mea | asures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section | n XI. | |
| By signing this certificate neither the Inspector nor his employer make | es any warranty, expre | essed or implied, concerning the |
| examinations and corrective measures described in this Owner's Repo | rt. Furthermore, neithe | r the Inspector nor his employer |
| shall be liable in any manner for any personal injury or property damag | e or a loss of any kind : | arising from or connected with |
| his inspection. | | |
| | | |
| Men Milynen Commissi | ons <u>NB7741, I, N, IS</u> National Board, | S, A WIS 38 / /00024 State, Province, and Endorsements |
| Date | | |

As Required by the Provisions of the ASME Code Section XI

| 700 North Adam | s P.O. Box 19001 Green | Bay, WI 54307-9001 | | Sheet | 1 | of2 | | | |
|---|---|--|---------------|---------------|-------------------|--|-------------------------|--|--|
| 2. Plant <u>Kewaune</u> | Plant Kewaunee Nuclear Power Plant | | | Unit <u>N</u> | Unit No. 1 | | | | |
| N490 HWY 42 | N490 HWY 42 Kewaunee, WI 54216-9510 | | | Work R | equest N u | mber <u>PM</u> 36-06 | 54 | | |
| 3. Work Performed By Wisconsin Public Service Corp. | | | Type Co | ode Symb | ol Stamp NA | | | | |
| 700 North Adam | s P.O. Box 19001 Green | Bay, WI 54307-9001 | | Authoriz | zation No. | NA | | | |
| 4. Identification of S | System <u>36</u> Class 1 | REACTOR COOLAN | <u>NT</u> | Expirati | on Date | <u>NA</u> | | | |
| | | | | Code C | ase NA | - | | | |
| 5. (a) Applicable C (b) Applicable E | onstruction Code ASME dition of Section XI Utilize Components Repaired or F | d for Repairs or Repla | - | | | | | | |
| 5. (a) Applicable C (b) Applicable E | | d for Repairs or Repla | - | | Year Built | Repaired, Repiaced, or Replacement | ASME Code Stamped | | |
| 5. (a) Applicable C (b) Applicable E 6. Identification of C Name of | dition of Section XI Utilize Components Repaired or F | d for Repairs or Repla Replaced and Replace Manufacturer | ment Componer | Other | Year | Replaced, or | Code | | |

Sheet 2 of 2

Date: <u>06/16/97</u>

Name of Component: SG-1A (CLASS 1)
Work Request Number: PM 36-064

| Certificate of Compliance |
|--|
| We certify that the statements made in the report are correct and this repaired conforms to the rules of the repair or replacement ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA Plant Inservice |
| Signed Phillip C. Bukes Inspection analyst Date July 1, 19 97 Owner or Owner's Designee, Title |
| O AND THE WORLD WO |
| Certificate of INSERVICE INSPECTION |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the |
| State or Province of Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Repert during the period July 1, 1995 to June 30, 1997 and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Repert in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be 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 NB7741, I, N, IS, A WIS 38 / 100 º 2 / National Board, State, Province, and Endorsements |
| Date |

As Required by the Provisions of the ASME Code Section XI

| 2. Plant Kewaune | ee Nuclear Power Plant | | | Unit <u>N</u> | lo. 1 | | |
|---|---|--|--------------------------------|--------------------------------|-----------------------------------|--|-------------------------|
| N490 HWY 42 | Kewaunee, WI 54216-95 | <u>10</u> | | _ | | mber <u>PM</u> 36-06 | 56 |
| 3. Work Performed | By Wisconsin Public Se | ervice Corp. | | Туре Со | ode Symbo | ol Stamp <u>NA</u> | |
| 700 North Adam | ns P.O. Box 19001 Green | Bay, WI 54307-9001 | | Authoriz | ation No. | NA | |
| 4. Identification of | System <u>36</u> Class 1 | REACTOR COOLAN | <u>tT</u> | Expiration | on Date | NA | |
| | | | | | | | |
| 5. (a) Applicable (| Construction Code ASME Edition of Section XI Utilize Components Repaired or I | ed for Repairs or Repla | | 1 | ase <u>NA</u> | | |
| 5. (a) Applicable (| Edition of Section XI Utilize | ed for Repairs or Repla | | 1 | Year Built | Repaired, Repiaced, or Replacement | ASME Code Stamped |
| 5. (a) Applicable ((b) Applicable I6. Identification ofName of | Edition of Section XI Utilize Components Repaired or I | ed for Repairs or Repla Replaced and Replace Manufacturer | ment Componen | otts Other | Year | Repiaced, or | Cod Stam |
| 5. (a) Applicable (b) Applicable I 6. Identification of Name of Component | Components Repaired or I Name of Manufacturer WESTINGHOUSE JORN INSTALL WELDS A TUBE SHEET PLU GENERATOR 1B. | ed for Repairs or Replace Replaced and Replace Manufacturer Serial No. | National Board No. 68-29 | Other ID 134-032 IOVAL OF TU | Year Built 1968 UBES FRO | Replaced, or Replacement REPAIRED OM SERVICE AND I | Code Stampe Y |

Sheet 2 of 2

Date: <u>06/16/97</u>

Name of Component: SG-1B (CLASS 1)

Work Request Number: PM 36-066

| Certificate of Compliance |
|--|
| We certify that the statements made in the report are correct and this conforms to the rules of the |
| ASME Code Section XI. |
| Type Code Symbol Stamp NA |
| Certificate of Authorization No. NA Expiration Date NA |
| Signed Phillip C. Bukes Inspection analyst Date July 1, 19 97 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 Wisconsin and employed by Hartford Steam Boiler Inspection and Ins. Co. of Hartford, CT have inspected |
| the components described in this Owner's Report during the period Tuly 1, 1995 to Tune 30, 1997, and state that to the best |
| of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's |
| Report in accordance with the requirements of the ASME Code, Section XI. |
| By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the |
| examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer |
| shall be liable in any menner for any personal injury or property damage or a loss of any kind arising from or connected with |
| this inspection. |
| |
| Commissions NB7741, I, N, IS, A WIS 38 / 10002 4 Inspector's Signature Commissions NB7741, I, N, IS, A WIS 38 / 10002 4 National Board, State, Province, and Endorsements |

ATTACHMENT 3

Letter from M. L. Marchi (WPSC)

To

Document Control Desk (NRC)

Dated

September 10, 1997

Examination Summary for Scheduled and Augmented Inservice Inspection Program

WISCONSIN PUBLIC SERVICE CORPORATION KEWAUNEE NUCLEAR POWER PLANT 3RD INTERVAL: 1ST PERIOD: 2ND OUTAGE 1996-1997 EXAMINATION SUMMARY

INTRODUCTION

An Inservice Inspection (ISI) Program (Scheduled and Augmented) was performed at the Kewaunee Nuclear Power Plant from January 16,1996 thru June 26,1996 (Non Refueling Outage), September 21,1996 thru June 12,1997 (Closing of GI following Refueling Outage extended by Steam Generator Tubing Repair) and June 13,1997 by Kewaunee Nuclear Power Plant; Lambert, MacGill, and Thomas, Inc. (LMT); and Professional Welding Associates (PWA) examination personnel.

Examinations were performed to satisfy the requirements of:

- o ASME Boiler and Pressure Vessel Code Section XI 1989 Edition
- o United States Nuclear Regulatory Commission Generic Letter 88-05
- o United States Nuclear Regulatory Commission IE Bulletin 79-13
- o United States Nuclear Regulatory Commission Regulatory Guide 1.14 Rev.1
- o Kewaunee Nuclear Power Plant Nuclear Regulatory Commission Commitment Tracking No.95-046

The Inservice Inspection Program Plan and Augmented Inspection Program Plan located under Tab C was prepared by Wisconsin Public Service Corporation-Kewaunee Nuclear Power Plant For the 3rd Interval: Ist Period: 2nd Outage as identified in the Kewaunee Nuclear Power Plant Third 10-Year Inservice Inspection (ISI) Program 1994-2004. Examinations during this Refueling Outage were performed to complete the 3rd Interval: 1st Period Examination Requirements of ASME Boiler and Pressure Vessel Code Section XI and Kewaunee Nuclear Power Plant Third 10-Year Inservice Inspection (ISI) Program 1994-2004.

The following items were examined:

- o Reactor Vessel Upper and Lower Internals
- o Steam Generators Tubesheet to Head Weld, Nozzle Inside Radius Sections and Shell Circumferential Weld
- o Regenerative Heat Exchanger Head and Tubesheet to Shell Welds
- o Reactor Coolant Pump Flywheel
- o Steam Generator Feedwater Nozzle to Pipe Welds

- o Class 1 Nozzle to Safe End Butt Weld
- o Class 2 Piping Socket and Branch Connection Welds
- o Class 1, Class 2 and Class 3 Piping Supports and Hangers
- o Class 1 and Class 2 Pressurizer Manway Bolting, Flange Bolting and Valve Bonnet Bolting
- o Class 1 System Leakage Test
- o Class 2 and Class 3 System Inservice and Functional System Pressure Tests

EXAMINATIONS

The examinations performed were in accordance with an approved Inservive Inspection Program Plan located under Tab C of the final report. Examination Procedures were approved prior to the start of examinations and certification documents relative to personnel, equipment and materials were reviewed and determined to be satisfactory.

Some of the arrangements and details of the Kewaunee Nuclear Power Plant Components and Piping Systems were designed and fabricated before ASME Boiler and Pressure Vesel Code Section XI Code requirements were established. Examinations performed were intended to examine 100% of the required surface or volume. In some cases, examinations were limited by geometric, metallurgical or design/access restrictions. In each case, the occurance and cause of the limitation was documented. In all cases the maximum amount achievable was examined.

Witnessing and surveillance of the examinations were conducted by: United States Nuclear Regulatory Commission and Hartford Steam Boiler Inspection and Insurance Company.

RESULTS

Examinations resulted with the following Recordable Indications being noted on the basis of procedure recording criteria, which are generally more restrictive than specified ASME Boiler and Pressure Vessel Code Section XI Acceptance Standards.

Recordable Indications detected during the I996-1997 Refueling Outage are listed in Table I with a brief summary following. Specific data relative to all Recordable Indications and their dispositions by either corrective measures or acceptance by ASME Boiler and Pressure Vessel Code Section XI 1989 Edition Acceptance Criteria, repair/replacement or evaluation are located in Tab F of the Final Report.

TABLE I

| TYPE OR LOCATION OF | | |
|--------------------------------------|------------------|-------------|
| RECORDABLE INDICATION (RI) | METHOD | NO. OF RI'S |
| · | | |
| Steam Generator Circumferential Weld | Ultrasonic (UT) | 1 Weld |
| Class 2 Feedwater Piping | Ultrasonic (UT) | 2 Welds |
| Class 2 Feedwater Piping | Radiography (RT) | l Weld |
| Valve Bonnet Bolting | Visual (VT-3) | 4 Valves |
| Flange Bolting | Visual (VT-3) | 1 Flange |
| Manway Bolting | Visual (VT-3) | I Manway |
| Piping Supports and Hangers | Visual (VT-3) | I Support |
| System Pressure Tests | Visual (VT-2) | 45 Items |

- 1. Ultrasonic Recordable Indications, previously documented, on Steam Generator 1B Weld SG-W10 were noted during performance of Manual Ultrasonic Examinations. All Ultrasonic indications with recorded dimensions that exceeded the limits specified in ASME Boiler and Pressure Vessel Code Section XI 1989 Edition Table IWC-3510-1 were shown to be Acceptable by analysis. The Analytical Evaluation is documented in Westinghouse Electric Corporation WCAP-I 1476 Rev.3 "Handbook on Flaw Evaluation Kewaunee Unit 1 Steam Generators Upper Shell to Cone Weld" Dated May 1991 and Kewaunee Nuclear Power Plant "Evaluation of NDE Indications Recorded During Ultrasonic Examination of the "B" Steam Generator Girth Weld" Dated November 1996.
- 2. Recordable Indications, previously noted in 1995, were recorded during Automated Ultrasonic and Radiography examinations of the Class 2 Feedwater Nozzle to Pipe Welds FW-W29 and FW-W57. Rexaminations during the 1996-1997 Refueling Outage were performed to satisfy Kewaunee Nuclear Power Plant Nuclear Regulatory Commission Commitment Tracking No.95-046. The indications recorded on FW-W29 and FW-W57 were accepted thru Analytical Evaluation as permitted by ASME Boiler and Pressure Vessel Code Section XI 1989 Edition Paragraphs IWB-3142.4, IWB-3600 and IWC-3600. The Analytical Evaluation is documented in Westinghouse Electric Corporation WCAP-14359 Rev.2 Structural Integrity Evaluation for The Feedwater Nozzle to Pipe Weld Region of the Kewaunee Nuclear Plant.

As required by ASME Boiler and Pressure Vessel Code Section XI 1989 Edition Paragraph IWC-2420 "Successive Inspections" Feedwater Nozzle to Pipe Welds FW-W29 and FW-57 will be ultrasonically examined with Automated Equipment and by Radiographic examination methods during the I998 Refueling Outage.

3. Visual Indications recorded on Valve Bonnet Bolting, Flange Bolting, Manway Bolting, Pipng Supports and Hangers and during System Pressure Tests were: (1) evaluated and accepted or (2) repaired, reexamined and accepted by: Wisconsin Public Service Corporation Maintenance, Quality Control, Health Physics, Engineering and Technical Support and Inservice Inspection Groups and reviewed by the Authorized Nuclear Inservice Inspector.

SUMMARY

An Inservice Inspection Program was performed at the Kewaunee Nuclear Power Plant from January 16,1996 thru June 26,1996 (Non Refueling Outage), September 21, 1996 thru June 12,1997 (Closing of G1 following Refueling Outage) and June 13,1997. Examinations were perforned as scheduled in the Kewaunee Nuclear Power Plant Third 10-Year Inservice Insepction (ISI) Program 1994-2004 and completed the requirements for the 3rd Interval; 1st Period. A total of 56 Recordable Indications were detected. All Recordable Indications were corrected or accepted by ASME Boiler and Pressure Vessel Code Section XI 1989 Edition Acceptance Criteria, Repair/Replacement or Evaluation.

Phillip E. Bukes

Date

Engineering and Technical Support Plant Inservice Inspection Analyst

Phillip C. Bukes June 19, 1997

ATTACHMENT 4

Letter from M. L. Marchi (WPSC)

To

Document Control Desk (NRC)

Dated

September 10, 1997

Steam Generator Synopsis for Eddy Current Examinations and Repairs

SP-36-084 File

cc (w/o tables)

CR Steinhart

KH Evers

ML Marchi

DJ Ropson

CA Schrock

CS Smoker

SL Bernhoft

DJ Molzahn

STEAM GENERATOR SYNOPSIS - 9/96 THROUGH 5/97

This memo is to document the examination and repairs performed on the A and B steam generators during the extended 1996 refueling outage. This memo will serve to provide detailed repair information for various uses, as well as to simplify future exploration into the SP-36-084 file, which has become quite massive.

The examination and repairs will be presented in chronological order for each of the two steam generators.

STEAM GENERATOR A

Plug Removal

Direction was provided to Westinghouse to remove plugs installed in 1994 and 1995 by ABB Combustion Engineering for indications in the HEJ sleeve joints. It was hoped that these tubes could be returned to service under the newly received "delta-D" Technical Specification amendment.

WPSC provided authorization to remove plugs from a total of 477 tubes. Initial authorization was for 124 tubes (PORC 96-070), with the remaining 353 tubes authorized at a later date. Due to the number of HEJ indications identified and the lack of success with the delta-D criteria, the full tube removal scope was not achieved, per WPSC direction. Of the 477 tubes authorized for plug removal, 374 tube locations had plug removal attempted

Of the 374 tubes attempted, plug removal was successful on 369 tubes. Five tubes (R13C13, R6C15, R32C32, R31C58, R32C63) were subsequently plugged as a result of unsuccessful plug removal attempts.

Only 25 of the 369 tubes met the delta-D TS criteria (6.8%). The remaining 344 tubes, with the exception of one tube (R2C2I), were placed on the laser weld repair (LWR) list (PORC 96-100, 102, 103). R2C21 was removed for laboratory analysis prior to LWR being performed (PORC 96-88). In addition, R1C21 was plugged to facilitate removal of R2C21.

Table 1 contains the specific data for each plug removal location.

Eddy Current Examinations

Eddy current examinations included the following:

- 1) 100% bobbin coil examination of all non-repaired tubing, from tube end to tube end (915 tubes)
- 2) 100% bobbin coil examination of all repaired (sleeved) tubing, from top of sleeve hot leg to tube end cold leg (1714 tubes)
- 3) 100% plus point RPC examination of inservice and deplugged HEJ sleeves, from the top of the sleeve to ~6 inches below the top of the HEJ (1690 tubes).
- 4) 100% plus point RPC examination of inservice ABB welded sleeves, from the top of the sleeve to ~6 inches below the top of the sleeve (12 tubes).
- 5) 3% plus point RPC examination of inservice HEJ sleeve straight lengths (60 tubes).
- 6) 100% plus point RPC of open row 1 and row 2 U-bends, from 07H to 07C. (118 tubes)
- 7) 20% plus point RPC of open row 3 U-bends, from 07H to 07C (16 tubes).
- 8) 100% RPC examination of all non-sleeved tubes, from tube end hot to ~6 inches above the secondary face of the tubesheet. (915 tubes)
- 9) 100% plus point RPC examination of all welded repairs and newly installed sleeves (1649 tubes).
- 10) Bobbin coil re-baseline examination of all resleeved tube locations (387 tubes).
- 11) Augmented RPC testing at TSP intersections, as required by APC requirements.
- 12) Supplemental eddy current diagnostic testing during the resleeving process.

Detailed examination results for SG A are contained in the Westinghouse field service reports. Summary results for each region of SG A are provided below:

Hot Leg Tubesheet Crevice

Of the 915 tubes examined, 34 tubes contained single or multiple axial crack-like indications requiring repair (3.7%). Of these 34 tubes, 23 were repaired by Westinghouse using the elevated rerolling technique (PORC 96-85). The remaining 11 were plugged by ABB (PORC 96-88). Due to concerns relating to inservice leakage of the rerolled locations (based on industry experience), the decision was made to repair or remove from service all tubes previously rerolled (Table 2).

Tube Support Plate Indications

Of the 2629 tubes examined (36,806 tube support plate intersections), 226 tubes contained indications (8.6%). None of the tubes with reported indications were in excess of two volts.

U-bends and AVB's

Of the 134 U-bends examined, 2 tubes contained axial crack-like indications requiring repair. These two tube locations (R3C50, R3C53) were plugged by ABB (PORC 96-88). There were 104 tubes with wear indications at the AVB's, none in excess of the TS plugging limit of 50% throughwall.

In general, the AVB indications have not grown significantly over the past few cycles.

ABB Sleeves

2 welded ABB sleeves (installed in 1992) were removed from service (PORC 96-88). One (R18C87) for an indication within the weld previously dispositioned as a geometry artifact, subsequently reported as a weld zone indication (WZI) based on industry experience and pulled tube results. The other tube (R38C61) was damaged during plug removal attempts on adjacent tubes and was preventatively plugged.

Other

Two tubes (R5C12 and R2C37) had evidence of leakage during the initial hydrostatic test (September 1996). R5C12 appeared wet around the tube end and R2C37 appeared to be dripping. Subsequent eddy current examinations reported no indications in either of these tube locations. These two tube locations were preventatively plugged (PORC 96-88).

HEJ Sleeves

Of the 1690 HEJ sleeves examined, 908 (53.7%) contained circumferential indications within the hardroll lower transition. 49 of the 908 locations (5.4%) fell outside of the revised pressure boundary (i.e. >7 mils). The remaining 859 tubes fell inside the pressure boundary and required plugging or other repair prior to returning SG A to operation. The remaining 859 tubes, with the exception of one tube (R2C25), were placed on the LWR list (PORC 96-100, 102, 103). R2C25 was removed for laboratory analysis prior to LWR being performed (PORC 96-88). Table 3 contains the detailed eddy current information for each tube.

Laser Weld Repair (LWR)

The LWR scope was 1201 tubes for SG A, comprised of 343 tube locations which did not meet the delta-D criteria following plug removal, and an additional 858 tubes identified from the inservice eddy current examination (PORC 96-100, 102, 103). The laser weld repair campaign began November 14, 1996 and was halted December 4, 1996 due to concerns relating to repair weld quality. Laser welding recommenced January 13, 1997 and was completed January 31, 1997. During the hiatus significant testing and requalification was performed at the Westinghouse facilities in an attempt to improve weld quality. One of the primary changes of the requalification effort was the decision to move the LWR from the center of the hardroll to the upper hydraulic expansion area. A total of 344 LWR's (28.6%) were made in the center of the hardroll in 1996, and 857 LWR's (71.4%) were made in the upper hydraulic expansion area when LWR resumed in 1997.

A breakdown of LWRs are as follows:

| | Hardroll LWR | Hydraulic Expansion LWR | Total LWR |
|--------------------------------|--------------|-------------------------|-------------|
| Successful (return to service) | 88 (25.6%) | 293 (34.2%) | 381 (31.7%) |
| Hot Cracking | 228 (66.3%) | 1 (0.1%) | 229 (19.1%) |
| Weld at wrong elevation | 3 (0.9%) | 0 | 3 (0.2%) |
| ET PlU's | 10 (2.9%) | 14 (1.6%) | 24 (2.0%) |
| Pre-HT UT unacceptable | 10 (2.9%) | 96 (11.2%) | 106 (8.8%) |
| Post-HT UT unacceptable | 4 (1.2%) | 447 (52.2%) | 451 (37.6%) |
| Pulled for evaluation | 1 (0.3%) | 5 (0.6%) | 6 (0.5%) |
| Broken HT bulb | 0 | 1 (0.1%) | 1 (0.1%) |
| Total | 344 | 857 | 1201 |

Table 4 contains the detailed LWR information.

The unacceptable LWR tubes (820) required plugging or other repair prior to returning SG A to operation. The six tubes removed for analysis (PORC 97-23, 25), two of the three tube locations which were welded at the wrong elevation (R21C70 and R21C75) (PORC 97-27), and the tube location (R17C53) with the stuck HT bulb were plugged prior to the resleeving operations. 391 tubes were placed on the resleeving list (PORC 97-26, 39, 42, 43, 47), and the remaining 420 tube locations were plugged following the resleeving operations (PORC 97-69).

Tubesheet Crevice Recovery

Plugs were removed from 63 tube locations previously plugged for indications within the hot leg tubesheet crevice (PORC 97-038, 057). After plug removal, eddy current examinations were performed on the tubes to determine whether they could be returned to service via sleeving with 27" ABB sleeves. All locations had acceptable eddy current results to support a return to service. Of the 63 locations, 62 were successfully sleeved (98.4%). One recovery location (R38C72) did not have enough channelhead clearance to insert a 27" sleeve; this tube was subsequently plugged (PORC 97-69). Table 5 contains the detailed crevice recovery information.

Resleeving

The resleeving scope was 391 tube locations. The scope was broken into two phases. Phase I was an initial 25 tube performance demonstration, from sleeve removal and kinetic expansion through replacement sleeve installation and associated NDE (PORC 097-26). Phase II consisted of the

balance of the sleeve preparation (sleeve removal through kinetic expansion and subsequent tube cleaning) and production sleeve installation (PORC 97-047).

A breakdown of the resleeving operations are as follows:

| Successful Resleeved Locations (return to service) | 366 |
|---|-------|
| Kinetic Expansion Aborted (concerns with blowthroughs) | 4 |
| Fishmouth, could not insert sleeve | 1 |
| Blowhole, initial VT missed, subsequently leaked during pressure test | 1 |
| Removed for analysis | 1 |
| Eddy current indications in weld | 18 |
| Sleeve removal/Expansion % success | 98.7% |
| Initial Performance Demonstration % success | 62.5% |
| Production % success | 97% |
| Overall % success | 93.6% |

Table 6 contains the detailed resleeving information. The 25 tube locations in which resleeving was not successful were plugged (PORC 97-46, 69).

Final Status

Plug Removal

The final status on the initial plug removal efforts are as follows:

| Total tubes attempted | 374 |
|---|-------------|
| Plug removal not successful | 5 (1.3%) |
| Met delta-D criteria | 24 (6.4%) |
| Removed for analysis | 6 (1.6%) |
| Leakage during final hydro (initially met delta-D) | 1 (0.3%) |
| Unsuccessful LWR | 76 (20.3%) |
| Unsuccessful Resleeve | 9 (2.4%) |
| Successful LWR | 133 (35.6%) |
| Successful Resleeve | 120 (32.1%) |
| Total returned to service (delta-D, LWR, or resleeve) | 277 (74.1%) |

Inservice HEJ Indications

The final status on the inservice HEJ indications are as follows:

| Total Inservice indications | . 908 | |
|---|-------------|--|
| Met delta-D criteria | 49 (5.4%) | |
| Removed for analysis | 2 (0.2%) | |
| Unsuccessful LWR | 347 (38.2%) | |
| Unsuccessful Resleeve | 16 (1.8%) | |
| Successful LWR | 248 (27.3%) | |
| Successful Resleeve | 246 (27.1%) | |
| Total returned to service (delta-D, LWR, or resleeve) | 543 (59.8%) | |

STEAM GENERATOR B

Plug Removal

Direction was provided to Westinghouse to remove plugs installed in 1994 and 1995 by ABB Combustion Engineering for indications in the HEJ sleeve joints. It was hoped that these tubes could be returned to service under the newly received "delta-D" Technical Specification amendment.

WPSC provided authorization to remove plugs from a total of 237 tubes. Initial authorization was for 116 tubes (PORC 96-070), with the remaining 121 tubes authorized at a later date. Due to the number of HEJ indications identified and the lack of success with the delta-D criteria, the full tube removal scope was not achieved, per WPSC direction. Of the 237 tubes authorized for plug removal, 182 tube locations had plug removal attempted

Of the 182 tubes attempted, plug removal was successful on 180 tubes. Two tubes (R10C16, R10C17) were subsequently plugged as a result of unsuccessful plug removal attempts. One additional tube (R25C66) was damaged during plug removal efforts at other tube locations. This tube was plugged by Westinghouse.

Only 13 of the 180 tubes met the delta-D TS criteria (7.2%). The remaining 167 tubes were placed on the laser weld repair (LWR) list (PORC 96-103).

Table 7 contains the specific data for each plug removal location.

Eddy Current Examinations

Eddy current examinations included the following:

- 1) 100% bobbin coil examination of all non-repaired tubing, from tube end to tube end (1000 tubes)
- 2) 100% bobbin coil examination of all repaired (sleeved) tubing, from top of sleeve hot leg to tube end cold leg (1870 tubes)
- 3) 100% plus point RPC examination of inservice and deplugged HEJ sleeves, from the top of the sleeve to ~6 inches below the top of the HEJ (1866 tubes).
- 4) 100% plus point RPC examination of inservice ABB welded sleeves, from the top of the sleeve to ~6 inches below the top of the sleeve (4 tubes).
- 5) 3% plus point RPC examination of inservice HEJ sleeve straight lengths (64 tubes).
- 6) 100% plus point RPC of open row 1 and row 2 U-bends, from 07H to 07C. (97 tubes)
- 7) 20% plus point RPC of open row 3 U-bends, from 07H to 07C (16 tubes).
- 8) 100% RPC examination of all non-sleeved tubes, from tube end hot to ~6 inches above the secondary face of the tubesheet. (1000 tubes)
- 9) 100% plus point RPC examination of all welded repairs (706 tubes).
- 10) Augmented RPC testing at TSP intersections, as required by APC requirements.

Detailed examination results for SG B are contained in the Westinghouse field service reports. Summary results for each region of SG B are provided below:

Hot Leg Tubesheet Crevice

Of the 1000 tubes examined, 18 tubes contained single or multiple axial crack-like indications requiring repair (1.8%). Of these 18 tubes, 14 were repaired by Westinghouse using the elevated rerolling technique (PORC 96-85). The remaining 4 were plugged by ABB (PORC 96-88). Due to concerns relating to inservice leakage of the rerolled locations (based on industry experience), the decision was made to repair or remove from service all tubes previously rerolled (Table 8).

Tube Support Plate Indications

Of the 2870 tubes examined (40,180 tube support plate intersections), 445 tubes contained indications (15.5%). Five of the tubes with reported indications were in excess of two volts (R41C38, R43C41, R45C58, R24C63, R35C73). The largest reported voltage was 2.45 volts. In addition, two tube locations (R2C23 and R2C75) contained indications in which the alternate plugging criteria could not be applied. One tube (R15C28) was removed for laboratory analysis to confirm morphology and burst pressures to meet the alternate repair criteria. These tube locations were removed from service prior to LWR being performed (PORC 96-88).

U-bends and AVB's

Of the 113 U-bends examined, no tubes contained axial crack-like indications requiring repair. 173 tubes contained wear indications at the AVB's, none in excess of the TS plugging limit of 50% throughwall. In general, the AVB indications have not grown significantly over the past few cycles.

HEJ Sleeves

Of the 1866 HEJ sleeves examined, 587 (31.5%) contained circumferential indications within the hardroll lower transition. 40 of the 587 locations (6.8%) fell outside of the revised pressure boundary (i.e. >7 mils). The remaining 547 tubes fell inside the pressure boundary and required plugging or other repair prior to returning SG B to operation. The remaining 547 tubes, with the exception of eight tubes (two which were removed from service due to TSP indications (R2C23, R2C75), and six which were removed for laboratory analysis (R2C21, R2C40, R2C51, R2C58, R2C65, R2C69)) were placed on the LWR list (PORC 96-100, 103). Table 9 contains the detailed eddy current information for each tube.

Laser Weld Repair (LWR)

The LWR scope was 706 tubes for SG B, comprised of 167 tube locations which did not meet the delta-D criteria following plug removal, and an additional 539 tubes identified from the inservice eddy current examination (PORC 96-100, 103). The laser weld repair campaign began November 17, 1996 and was halted December 4, 1996 due to concerns relating to repair weld quality. Laser welding recommenced January 13, 1997 and was completed January 31, 1997. During the hiatus significant testing and requalification was performed at the Westinghouse facilities in an attempt to improve weld quality. One of the primary changes of the requalification effort was the decision to move the LWR from the center of the hardroll to the upper hydraulic expansion area. A total of 317 LWR's (44.9%) were made in the center of the hardroll in 1996, and 389 LWR's (55.1%) were made in the upper hydraulic expansion area when LWR resumed in 1997.

A breakdown of LWRs are as follows:

| | Hardroll LWR | Hydraulic Expansion LWR | Total LWR |
|--------------------------------|--------------|-------------------------|-------------|
| Successful (return to service) | 96 (30.3%) | 198 (50.9%) | 294 (41.6%) |
| Hot Cracking | 217 (68.5%) | 0 | 217 (30.7%) |
| ET PlU's | 2 (0.6%) | 7 (1.8%) | 9 (1.3%) |
| Pre-HT UT unacceptable | 2 (0.6%) | 90 (23.1%) | 92 (13%) |
| Post-HT UT unacceptable | 0 | 93 (23.9%) | 93 (13.2%) |
| Stuck weld head | 0 | 1 (0.3%) | 1 (0.1%) |
| Total | 317 | 389 | 70 6 |

Table 10 contains the detailed LWR information.

The unacceptable LWR tubes (412) required plugging or other repair prior to returning SG B to operation. 311 of the 412 tube locations were plugged by Westinghouse prior to the resleeving operations (PORC 97-13). The remaining 101 tubes were plugged by FTI in parallel with the

resleeving operations in SG A (PORC 97-057).

Final Status

Plug Removal

The final status on the initial plug removal efforts are as follows:

| Total tubes attempted | 182 |
|---|-------------|
| Plug removal not successful | 2 (1.1%) |
| Met delta-D criteria | 13 (7.1%) |
| Unsuccessful LWR | 73 (40.1%) |
| Successful LWR | 94 (51.6%) |
| Total returned to service (delta-D, LWR, or resleeve) | 107 (58.8%) |

Inservice HEJ Indications

The final status on the inservice HEJ indications are as follows:

| Total Inservice indications | 587 |
|---|-------------|
| Met delta-D criteria | 40 (6.8%) |
| Removed for analysis | 6 (1.0%) |
| Unsuccessful LWR | 341 (58.1%) |
| Plugged for TSP indications | 2 (0.4%) |
| Successful LWR | 198 (33.7%) |
| Total returned to service (delta-D, LWR, or resleeve) | 238 (40.5%) |

Final Numbers

| | | SG A | · SG B |
|----|---|------------------------|--------|
| 1 | 27" ABB Sleeves | 62 | 0 |
| 2 | 27" ABB Welded Sleeves 10 | | |
| 3 | Total 27" ABB Sleeves (1+2) | 72 | 4 |
| 4 | 39" ABB Sleeves | 366 | 0 . |
| 5 | 27" W HEJ Sleeves (NDD) | 222 | 161 |
| 6 | 30" W HEJ Sleeves (NDD) | 121 | 302 |
| 7 | 36" W HEJ Sleeves (NDD) | 434 | 814 |
| 8 | Total HEJ Sleeves (no repairs, NDD) (5+6+7) | 777 | 1277 |
| 9 | 27" W HEJ Sivs (PTI>7mils) | 4 | 2 |
| 10 | 30" W HEJ Slvs (PTI>7mils) 8 1 | | 18 |
| 11 | 1 36" W HEJ Sivs (PTI>7mils) 61 | | 32 |
| 12 | Total HEJ Sleeves (no repair, >7mil) (9+10+11) | 73 | 52 |
| 13 | 30"W HEJ Sivs (HE LWR) | 138 | 116 |
| 14 | 36"W HEJ Sivs (HE LWR) | 155 | 80 |
| 15 | 5 Total HEJ Sleeves (HE LWR's) (13+14) 293 | | 196 |
| 16 | 30" W HEJ Sivs (HR LWR) | 10 14 | |
| 17 | 36"W HEJ Sivs (HR LWR) | 78 | 82 |
| 18 | Total HEJ Sleeves (HR LWR's) (16+17) | R LWR's) (16+17) 88 96 | |
| 19 | Total HEJ Sleeves (LWR's) (15+18) | 381 292 | |
| 20 | Tubes Plugged 839 7 | | 785 |
| 21 | Equivalent Plugs from W HEJ's (8+12+19/23) 53.52 | | 70.48 |
| 22 | Equivalent Plugs from 27" ABB Sleeves (3/28.2) 2.55 | | .14 |
| 23 | Equivalent Plugs from 39" ABB Sleeves (4/23) 15.91 | | 0 |
| 24 | Total Equivalent Plugs (20+21+22+23) | 910.98 | 855.62 |
| 25 | Tubes Open | 880 | 978 |
| 26 | % Plugged (24/3388) | 26.89% | 25.25% |
| 27 | Equivalent SGTP | 26.07% | |

TP Olson

ATTACHMENT 5

Letter from M. L. Marchi (WPSC)

To

Document Control Desk (NRC)

Dated

September 10, 1997

Functional Test Summary for Steam Generator 900 KIP Hydraulic Snubber

FUNCTIONAL TEST SUMMARY

unctional testing of the large bore hydraulic snubber installed on Steam Generator 1A was performed in accordance with SP 55-313 Rev. A "Steam Generator Hydraulic Snubber Testing" and 45349-1 Rev. A "Procedure For In-Place Testing Of 900 Kip Anker-Holth Snubbers At Kewaunee Nuclear Power Plant".

The 900 Kip Anker-Holth snubber, S/N 25.12620.004-1, was subjected to the following tests:

- 1) Breakaway Force: Measured the force required to initiate movement in tension and compression directions.
- 2) Drag Force: Measured the force required to maintain movement in tension and compression directions:
- 3) Lockup Velocity: Measured the flow of fluid (for a piston velocity) at which the snubber activated to the velocity limiting mode in tension and compression directions.
- 4) Bleed Rate @ 70 Kips: Measured the flow of fluid (for a piston velocity) at which the snubber bled while in the velocity limiting mode in tension and compression directions.

This test was performed to confirm test technique at a lower force.

5) Bleed Rate @ 500 Kips: Measured the flow of fluid (for a piston velocity) at which the snubber bled while in the velocity limiting mode in tension and compression directions.

The following is a tabulation of functional test results:

TEST LOAD @ 70 Kips

| Test Parameter | Tension | Compression |
|----------------|------------|-------------|
| Bleed Rate: | 0.0143 IPM | 0.0279 IPM |

TEST LOAD @ 500 Kips

| Test Parameter | Tension | Compression |
|------------------|------------------|-------------|
| Breakaway Force: | 1524 lbs | 1143 lbs |
| Drag Force: | 3955 lbs | 4010 lbs |
| Lockup Velocity: | 0.97 IP M | 0.83 IPM |
| Bleed Rate: | 0.1126 IPM | 0.1175 IPM |

FUNCTIONAL TEST SUMMARY

Test results with exception of Bleed Rates at 500 Kips were within the values specified in SP 55-313 REV. A. The Bleed Rates at 500 Kips were below the minimum specified in SP 55-313 REV. A by 0.0374 IPM in tension and by 0.0325 IPM in compression.

The low Bleed Rates were reported to the customer's representative via NOA KNPP-1 for resolution.

After consultation with engineering it was determined that the values specified in SP 55-313 REV. A were conservative and the snubber was performing within design specifications. The customer's representative addressed this condition in accordance with plant procedures and submitted it to "PORC" for review.

Upon receipt of approval from "PORC" the snubber was reinstalled.

ADDITIONAL ACTIVITIES:

The visual examination report identified debris in the reservoir. Further examination revealed that this appears to be the pigmentation (which is added to clear fluid, making it readily visible) separating from the fluid.

The old fluid was drained from the reservoir and replaced with new fluid from the warehouse.

LESSONS LEARNED:

Due to the configuration of the blind end clevis and the snubber blind end, future testing of Steam Generator snubbers at Kewaunee Nuclear Power Plant may go smoother by implementing the following steps:

- 1) Using an appropriate means, rig the snubber to the platform directly above the snubber.
- 2) Remove both pins from the snubber and raise the snubber straight up. Upon achieving sufficient clearance, place a previously fabricated cradle on the clevises and lower the snubber into the cradle for testing.
- 3) Upon completion of testing, raise the snubber, remove the cradle, lower the snubber into place and reinstall the pins.

Michael L. Miller Sr.

Mr S.

12 1 12 1 96

Sr. Engrg. Specialist

Wyle Laboratories

ATTACHMENT 6

Letter from M. L. Marchi (WPSC)

To

Document Control Desk (NRC)

Dated

September 10, 1997

Summary of Incore Thimble Eddy Current Results

Summary of Incore Thimble Eddy Current Results

In response to NRC Bulletin 88-09, WPSC committed to inspecting the incore thimbles at the KNPP during the 1993 and 1998 outages and more frequently thereafter. Results of the inspection with any corrective action or change in inspection frequency were to be reported in the annual ISI report. A summary of the 1993, 1994, 1995 and 1996 inspection results is given below.

| | Number of Thimbles | | | |
|----------|--------------------|------|------|------|
| Wear (%) | 1993 | 1994 | 1995 | 1996 |
| 1-19 | 6 | 1 | 1 | 2 |
| 20-29 | 14 | 5 | 8 | 4 |
| 30-39 | 12 | 13 | 12 | 12 . |
| 40-49 | 3 | 15 | 12 | 13 |
| 50-59 | 0 | 1 | 2 | 4 |

Note: One thimble could not be inspected due to blockage and was isolated.

As was the case in previous inspections, the indicated wear is at the point where the thimble tube enters the fuel assembly. The wear is believed to be due to a wear point at the lower tie plate-instrument tube interface in the fuel assembly. The wear point was recently (1993) eliminated by the fuel vendor.

Seven thimbles were repositioned following the 1994 inspection to move the wear scar away from the area of concern in the fuel assembly. The repositioned thimbles were at core positions G-6, G-9, I-5, G-4, K-7, C-11, and H-1. The old wear scars for these seven tubes recorded no changes in wall loss as expected.

The 1995 inspection indicated that one repositioned tube (K-7) had an indication of 32-40 percent wall loss at the new wear location. The 1996 inspection indicated that the wear on this thimble has not increased significantly. The tube has been returned to service.

The other six repositioned tubes did not indicate wear at the new wear location.

Of the remaining 28 tubes, no tube recorded a significant increase in wall loss during the past cycle.

The inspection performed during the 1996 outage showed a minimal increase in wear. An inspection will be perfromed in 1998 due to the commitment made in response to NRC bulletin 88-09.

ATTACHMENT 7

Letter from M. L. Marchi (WPSC)

To

Document Control Desk (NRC)

Dated

September 10, 1997

NDE Data Sheets for 1996-1997 Examinations Which Were Limited By Geometric, Metallurgical, or Design/Access Restrictions

| | SYSTEM OR COMPONENT: STEAM GENERATOR 1A |
|---|---|
| | DRAWING NO .: M-1201 |
| | COMPONENT IDENTIFICATION: SG. WG PROCEDURE: NEP No.15.9 REVISION: OR1G |
| | ULTRASONIC: X LIQUID PENETRANT: MAGNETIC PARTICLE: VISUAL: VISUAL: |
| | EXAMINER: DATE: 10/2/96 LEVEL |
| | EXAMINER: Mu Seur II DATE: 10/2/96 LEVEL |
| _ | * 15% of REQUIRED VOLUME NOT EXAMINED |
| | SKETCH TO PROVIDE: APPROXIMATE SIZE, LOCATION, ORIENTATION, TYPE OF LIMITATION AND PERCENTAGE OF REDUCED EXAMINATION COVERAGE. 141" |
| | * WELD SG-W6 [3.0" [3.75" |
| | |
| | INSULATION SUPPORT RING 25/8" WIDE |
| | K J I H G F E |
| 1 | O REFERENCE IS CENTERLINE OF HOT LEG MANWAY A. 2.75" x 2.75" WELDED PAD 19" CLOCKWISE FROM O REFERENCE AT WELD TOE B. 2.5" x 2.5" WELDED PAD 19.25" CLOCKWISE FROM O REFERENCE AT WELD TOE C. 2.75" x 2.75" WELDED PAD 126.5" CLOCKWISE FROM O REFERENCE AT WELD TOE D. 2.5" x 2.5" WELDED PAD 126.75" CLOCKWISE FROM O REFERENCE AT WELD TOE E. 2.5" y 2.5" WELDED PAD 4" CLOCKWISE FROM D REFERENCE 7/8" BELOW INSULATION RING G. 2.5" x 2.5" WELDED PAD 48" CLOCKWISE FROM D REFERENCE 7/8" BELOW INSULATION RING H. 2.5" x 2.5" WELDED PAD 48" CLOCKWISE FROM D REFERENCE 1 1/4" BELOW INSULATION RING II. 2.5" x 2.5" WELDED PAD 88" CLOCKWISE FROM D REFERENCE 1 1/8" BELOW INSULATION RING II. 2.5" x 2.5" WELDED PAD 89" CLOCKWISE FROM D REFERENCE 1 1/8" BELOW INSULATION RING II. 2.5" x 2.5" WELDED PAD 89" CLOCKWISE FROM D REFERENCE 1 1/8" BELOW INSULATION RING II. 2.5" x 2.5" WELDED PAD 111" CLOCKWISE FROM D REFERENCE 1 1/8" BELOW INSULATION RING II. 2.5" x 2.5" WELDED PAD 132" CLOCKWISE FROM D REFERENCE 1 1/9" BELOW INSULATION RING II. 2.5" x 2.5" WELDED PAD 132" CLOCKWISE FROM D REFERENCE 1 1/9" BELOW INSULATION RING II. 2.5" x 2.5" WELDED PAD 152" CLOCKWISE FROM D REFERENCE 1 1/9" BELOW INSULATION RING III. CLOCKWISE FROM D REFERENCE 1 1/9" BELOW INSULATION RING III. WELDED PADS LIMIT 2 SCAN FOR 45", GO" AND 0" SCANS III. WELDED PADS LIMIT 5 SCAN FOR 45" AND GO" AND 0" SCANS III. WELDED PADS LIMIT 5 SCAN FOR 45" AND GO" AND 0" SCANS III. SCANS FOR 45", GO" AND 0" SCANS |
| | REWAUNEE NUCLEAR POWER PLANT REVIEW: Phillips C. Bukes DATE: October 4, 1996 |
| | AUTHORIZED NUCLEAR INSERVICE INSPECTOR REVIEW: Roya Molguen DATE: 10/4/96 |

| SYSTEM OR COMPONENT: STEAM GENERATOR 1B |
|---|
| DRAWING NO.: M-1206 |
| COMPONENT IDENTIFICATION: SG-W10 PROCEDURE: NEP No.159 REVISION: OR16 |
| ULTRASONIC: X LIQUID PENETRANT: MAGNETIC PARTICLE: VISUAL: 10/01/86 |
| EXAMINER: |
| EXAMINER: 10/1/96 LEVEL 10/1/96 LEVEL 10/1/96 |
| SKETCH TO PROVIDE: APPROXIMATE SIZE, LOCATION, ORIENTATION, TYPE OF LIMITATION AND PERCENTAGE OF REDUCED EXAMINATION COVERAGE. O REFERENCE LOCATED AT CENTER OF FEEDWARD NOTE: |
| 5 SIDE 5 4 2 7 6 3 1 |
| (OF WELD - SG-WIO |
| 2 SIDE |
| 1. WELDED PAD 73/4" x 103/4" LOCATED AT 5'4" CW FROM O REFERENCE ON 5 SIDE 2. Z" NOTZLE LOCATED AT 13'4"Z" CW FROM O REFERENCE 63/4" FROM TOE OF WELD ON 5 SIDE LIMITS 60° SCAN 3. WELDED PAD 73/4" x 103/4" LOCATED AT 16' 9'Z" CW FROM O REFERENCE ON 4. Z" NOTZLE LOCATED AT Z1'1" CW FROM O REFERENCE 63/4" FROM TOE OF WELD ON 5 SIDE LIMITS 60° SCANS 5. Z" NOTZLE LOCATED AT Z1'1" CW FROM O REFERENCE 63/4" FROM TOE OF WELD ON 5 SIDE LIMITS 60° SCAN 6. WELDED PAD 73/4" x 103/4" LOCATED AT 28'3"Z" CW FROM O REFERENCE ON 5. Z" NOTZLE LOCATED AT Z4'1" COCATED AT 28'3"Z" CW FROM O REFERENCE ON 6. WELDED PAD 73/4" x 103/4" LOCATED AT 28'3"Z" CW FROM O REFERENCE ON 7. WELDED PAD 73/4" x 103/4" LOCATED AT 39' 9"Z" CW FROM O REFERENCE ON 8. WELDE CROWN LIMITS 0°, 45° + 60° SCANS * PAD STARTS AT TOE OF WELD VOLUME NOT EXAMINED |
| REWAUNEE NUCLEAR POWER PLANT REVIEW: Phillys C. Bukes DATE: October 3,1996 |
| AUTHORIZED NUCLEAR INSPECTOR REVIEW: Roga Profusion DATE: 10/4/96 |

REV.: ORIG.

| SYSTEM OR COMPONENT: REACTOR COLLANT Piping Loop A |
|--|
| DRAWING NO.: 151M -1703 |
| COMPONENT IDENTIFICATION: RC-W6DM PROCEDURE: NEP No. 15.13 REVISION: Orig |
| ULTRASONIC: X LIQUID PENETRANT: MAGNETIC PARTICLE: VISUAL: |
| EXAMINER: ALA BY II DATE: 9/28/96 LEVEL |
| EXAMINER: JULY DATE: 9/28/94. LEVEL |
| SKETCH TO PROVIDE: APPROXIMATE SIZE, LOCATION, ORIENTATION, TYPE OF LIMITATION AND PERCENTAGE OF REDUCED EXAMINATION COVERAGE. |
| 45°RL ELBOW Side WWW RC-WOOM Side |
| |
| |
| |
| WOLD CROWN Limited 5 SCAM. S.G. Nozzle Restricted A 2 SCAM, A-7 +8 SCAM AND O' SCAM. |
| 46% OF REQUIRED VOLUME NOT EXAMENED |
| KEWAUNEE NUCLEAR POWER PLANT REVIEW: Phillips C. Bukes DATE: October 1, 1996 |
| AUTHORIZED NUCLEAR INSERVICE INSPECTOR REVIEW: From Mary DATE: 10/1/85 |

| SYSTEM OR COMPONENT: REACTOR COOLANT PUMP 14 |
|--|
| DRAWING NO.: |
| COMPONENT IDENTIFICATION: RCP-1A-FLY PROCEDURE: NEPNOLISION: ORIG |
| ultrasonic: X liquid penetrant: Magnetic particle: Visual: |
| EXAMINER: MAN THE DATE: 1015/96 LEVEL |
| EXAMINER: July W John II DATE: 10/5/96 LEVEL |
| SKETCH TO PROVIDE: APPROXIMATE SIZE, LOCATION, ORIENTATION, TYPE OF LIMITATION AND PERCENTAGE OF REDUCED EXAMINATION COVERAGE. |
| GAGE HOLE |
| |
| ANTI-ROTATION PAWS |
| FLYWHEEL IN PLACE RESTRICTS BOTTOM 1" OF LOWER PLATE OF KEYWAY AND RADIAL GAGE HOLE EYAMS. DIAMETER CHANGE FROM 1.5" TO 1.03" IN TOP 1.5" OF UPPER PLATE RESTRICTS KEYWAY AND RADIAL GAGE HOLE EXAMS. 5 - 3"x 7" ANTI - ROTATION PAWS RESTRICT PERIPHERY EXAM ON LOWER PLATE |
| 9% of Required Volume Not Examined |
| KEWAUNEE NUCLEAR POWER PLANT REVIEW: Phillip C. Bukes AUTHORIZED NUCLEAR INSERVICE INSPECTOR REVIEW: Avgn Motion DATE: 10/5/96 |
| AUTHORIZED NUCLEAR INSERVICE INSPECTOR REVIEW: Avgn Motyum DATE: 10/5/96 |