

January 8, 2007

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

Serial No. 06-748
KPS/LIC/GR: R3
Docket No. 50-305
License No. DPR-43

DOMINION ENERGY KEWAUNEE, INC.
KEWAUNEE POWER STATION
2006 INSERVICE INSPECTION SUMMARY REPORT

As required by American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI, 10 CFR 50.55a, and Wisconsin Administrative Code Department of Commerce, Comm 41.55(3), various inservice inspection (ISI) examinations were performed during the 2006 refueling outage at the Kewaunee Power Station (KPS). The refueling outage took place from September 2, 2006 through October 26, 2006. This letter transmits the Inservice Inspection Summary Report as required by paragraph IWA-6230 of ASME Section XI.

Two separate ASME Section XI inservice examination programs are implemented at KPS. One program is for pressure retaining piping/vessels and component supports, and the other program is for the metal containment. The 2006 refueling outage inservice inspections met the requirements of these two distinct inspection program intervals as listed below:

- a. The second inspection year of the first period of the fourth interval for Class 1, Class 2, and Class 3 component inspections were performed. The inspections met the requirements of ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition, 2000 Addenda with implementation in accordance with the KPS Fourth Ten-Year Inservice Inspection (ISI) Program 2004-2014.
- b. The second inspection year of the third period of the first interval for Class MC components inspections were performed. The inspections met the requirements of ASME Boiler and Pressure Vessel Code Section XI, 1992 Edition, 1992 Addenda with implementation in accordance with the KPS First Ten-Year Inservice Inspection (ISI) Class MC Program 1996-2006.

The following examinations and tests were performed for Class 1, Class 2, and Class 3 components and their supports:

- Reactor vessel upper and lower internals examination,
- Steam generator shell circumferential weld examination,
- Reactor coolant pump main flange bolting and Number 1 seal housing bolting examination,
- Class 1 valve bodies examination,
- Reactor coolant pump flywheel examination,
- Class 1, Class 2, and Class 3 piping and component supports and hangers examinations,
- Class 1 and Class 2 steam generator primary manway bolting, pressurizer manway bolting, flange bolting, and valve bonnet bolting examinations,
- Class 1 system leakage test, and
- Class 2 and Class 3 system leakage tests.

The following items were examined for the Class MC reactor building containment vessel:

- Accessible surface areas,
- Circumferential weld,
- Seals and gaskets,
- Airlocks, and
- Pressure retaining components.

In addition, the following examinations were conducted in excess of ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition, 2000 Addenda requirements:

- Nuclear Regulatory Commission Regulatory Guide 1.14, Revision 1, "Reactor Coolant Pump Flywheel Integrity," dated August 1975.
- Nuclear Regulatory Commission Bulletin 2003-02, "Leakage From Reactor Vessel Lower Head Penetrations and Reactor Coolant Pressure Boundary Integrity," dated August 21, 2003.

The following item was examined in accordance with KPS Technical Specifications:

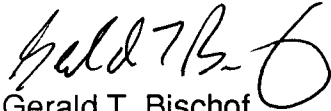
- Eddy current testing of steam generators.

Documentation summarizing the inservice inspection activities and results relative to the KPS 2006 refueling outage is provided in enclosures 1-9 of this letter. The final reports for each of these examinations are maintained in the Quality Assurance/Quality Control Records Vault at KPS.

The next refueling outage at KPS is tentatively scheduled for the spring of 2008.

If you have questions or require additional information, please feel free to contact Mr. Gerald Riste at 920-388-8424.

Very truly yours,



Gerald T. Bischof
Vice President – Nuclear Engineering

Enclosures

1. Summary of Recordable Indications (RIs) and Disposition.
2. Summary of Class 1 and Class 2 Repair/Replacement Activities for Components 1-Inch in Diameter or Smaller.
3. Form NIS-1 Owner's Report for Inservice Inspections of Class 1, Class 2, and Class 3 Components for Fourth Ten-Year Interval.
4. Form NIS-1 Owner's Report for Inservice Inspections for Class MC Components.
5. Form NIS-2 Owner's Report for Repair/Replacement Activities (46 Total).
6. Examination Summary for Class 1, Class 2, and Class 3 Inservice Inspection Program for Fourth Ten-Year Interval.
7. Examination Summary for Inservice Inspection Class MC Program For First Ten-Year Interval.
8. Summary of Examinations That Were Limited by Geometric, Metallurgical, or Design/Access Restrictions and Associated Data Sheets (1 Total).
9. Examination Summary for Steam Generator Eddy Current Testing.

Commitments made by this letter: NONE

cc: Regional Administrator
U. S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4352

Mr. R. F. Kuntz
U.S. Nuclear Regulatory Commission
Mail Stop O-7-D1A
Washington, D. C. 20555

NRC Senior Resident Inspector
Kewaunee Power Station

Enclosure 1

2006 INSERVICE INSPECTION SUMMARY REPORT

**SUMMARY OF RECORDABLE INDICATIONS (RIs) AND DISPOSITION
KEWAUNEE POWER STATION**

DOMINION ENERGY KEWAUNEE, INC.

Enclosure 1

SUMMARY OF RECORDABLE INDICATIONS (RIs) AND DISPOSITION

<u>TYPE OR LOCATION OF RECORDABLE INDICATION (RI)</u>	<u>METHOD</u>	<u>NO. OF RIs</u>
1. Steam generator 1B shell circumferential weld	Volumetric (UT)	1 weld
2. Reactor vessel upper internals	Visual (VT-3)	1 thermocouple conduit
3. Valve bonnet bolting	Visual (VT-3)	3 valves
4. Flange bolting	Visual (VT-1 and VT-3)	1 flange
5. System leakage pressure tests	Visual (VT-2)	30 items
6. Reactor building containment vessel	General Visual and VT-3	1 plate

Dispositioning of Class 1, Class 2, and Class 3 indications has been completed in accordance with the rules of American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Section XI, 1998 Edition, 2000 Addenda for Fourth Ten-Year Interval examinations, and ASME Boiler and Pressure Vessel Code Section XI, 1992 Edition, 1992 Addenda for Class MC components. Applicable codes, standards, and engineering criteria were used to disposition indications associated with the non-code-required examinations. Recordable indications for Class 1, Class 2, Class 3, and Class MC have been dispositioned as summarized below:

1. Recordable indications were recorded on steam generator 1B circumferential girth weld SG-W10. The 43 separate indications were previously recorded during the 1996 and 2001 refueling outages. A comparison of the length, amplitude, and position of the signal response between 1996, 2001, and 2006 revealed no discernible changes, indicating that the flaws are stable and have not grown in size. Indications were acceptable either by ASME Boiler and Pressure Vessel Code Section XI, 1998 Edition, 2000 Addenda or by fracture analysis as provided in Westinghouse Electric Corporation WCAP-11476, Revision 3, "Handbook on Flaw Evaluation Kewaunee Unit 1 Steam Generator Upper Shell to Cone Weld," May 1991 and evaluation by Kewaunee Power Station (KPS) during the 1996 and 2001 refueling outages.
2. A recordable indication was recorded on the reactor vessel upper internals upper support plate thermocouple conduit at location C-3. The separated conduit cable was previously recorded in 1995 and 2004. The separated conduit at location C-3 showed no noticeable change in separation and was previously determined to be acceptable under the KPS corrective action program.
3. Visual (VT-3) indications recorded on valve bonnet bolting (3 valves) were repaired, reexamined and accepted by KPS maintenance and inservice inspection personnel and reviewed by the authorized nuclear inservice inspector.
4. Visual (VT-1 and VT-3) indications were recorded on a flange for RCS bypass flow. The indication involved the actual length of the flange studs versus the length called out on "Quality Part Tag." The indication was evaluated by KPS engineering personnel and found to be acceptable.
5. Visual (VT-2) indications recorded during system leakage pressure tests (30 items) were: (1) evaluated and accepted by KPS maintenance engineering, program engineering, or inservice inspection personnel; or (2) repaired, reexamined, and accepted by KPS maintenance engineering, program engineering, or inservice inspection personnel. The 30 items were reviewed by the authorized nuclear inservice inspector.
6. General Visual and VT-3 indication consisting of a 3" x 4" scab type indication located on containment plate 158. This scab type indication was accepted by engineering as a preservice surface imperfection during the 2004 refueling outage. Reexamination during the 2006 refueling outage revealed no noticeable change in the indication on containment plate 158 and was accepted by KPS structural engineering.

Enclosure 2

2006 INSERVICE INSPECTION SUMMARY REPORT

**SUMMARY OF CLASS 1 AND CLASS 2 REPAIR/REPLACEMENT ACTIVITIES FOR
COMPONENTS 1-INCH IN DIAMETER OR SMALLER
KEWAUNEE POWER STATION**

DOMINION ENERGY KEWAUNEE, INC.

Enclosure 2

SUMMARY OF CLASS 1 AND CLASS 2 REPAIR/REPLACEMENT ACTIVITIES OF COMPONENTS 1 INCH IN DIAMETER OR SMALLER

The following summarizes the repairs and replacements performed following the 2004 refueling outage and during the 2006 refueling outage by grinding, buffing, filing, cutting, or welding on the Class 1 and Class 2 pressure boundaries. These repairs and replacements are in addition to those itemized on the enclosed forms, "NIS-2 Owner's Report for Repair/Replacement Activity."

COMPONENT	CLASS	REFERENCE	REPAIR/REPLACEMENT METHOD
1" valve RC-46	2	XK-100-10	Welding in replacement 1" valve
1" valve RC-49	2	XK-100-10	Welding in replacement 1" valve
3/4" valve SI-46	2	XK-100-28	Welding in replacement 3/4" valve
3/4" valve SI-39A	2	XK-100-28	Welding in replacement 3/4" valve
3/4" valve SI-39B	2	XK-100-28	Welding in replacement 3/4" valve
3/4" elbow upstream of SI-102A	2	XK-100-28	Welding in replacement 3/4" piping elbow
3/4" elbow upstream of SI-5A-1	2	XK-100-29	Welding in replacement 3/4" piping elbow
1" valve CVC-204A	2	XK-100-35	Welding in replacement 1" valve
3/8" rupture disc RC-440-3	1	XK-100-44	Welding in replacement 3/8" rupture disc
3/8" rupture disc RC-441-3	1	XK-100-44	Welding in replacement 3/8" rupture disc
3/8" valve RC-422	1	XK-100-44	Welding in replacement 3/8" valve
3/8" tubing to valves RC-403, RC-413 and RC-423	1	XK-100-44	Welding in replacement 3/8" tubing to valves RC-403, RC-413 and RC-423
1" valve BT-1B2	2	M-203	Welding in replacement 1" valve
3/4" valve BT-40B	2	M-203	Welding in replacement 3/4" valve

Enclosure 3

2006 INSERVICE INSPECTION SUMMARY REPORT

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS OF CLASS 1,
CLASS 2, AND CLASS 3 COMPONENTS FOR FOURTH TEN-YEAR INTERVAL
KEWAUNEE POWER STATION**

DOMINION ENERGY KEWAUNEE, INC.

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
AS REQUIRED BY THE PROVISIONS OF THE ASME CODE RULES**

1. OWNER – DOMINION ENERGY KEWAUNEE, INC.
N490 HIGHWAY 42, KEWAUNEE, WISCONSIN 54216-9511
2. PLANT – KEWAUNEE POWER STATION, N490 HWY 42, KEWAUNEE, WISCONSIN 54216-9511
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 -

<u>COMPONENT OR APPURTENANCE</u>	<u>MANUFACTURER OR INSTALLER</u>	<u>MANUFACTURER OR INSTALLER SERIAL NO.</u>	<u>STATE OR PROVINCE NO.</u>	<u>NATIONAL BOARD NO.</u>
Reactor Vessel RV	Combustion Engineering	CE69202	U11480	21010
Replacement Reactor Vessel Closure Head	Mitsubishi Heavy Industries	B-VH-N06	U11480	5845
Pressurizer PZR	Westinghouse	1151	U11402	68-23
Steam Generator SG-1A	Westinghouse/ Ansaldo Energia Milano	1141/ 0202	U11400	68-28/151
Steam Generator SG-1B	Westinghouse/ Ansaldo Energia Milano	1142/0201	U11401	68-29/150
Excess Letdown Heat Exchanger AHXL-1A	Sentry	3996-5E	U11407	364
Excess Letdown Heat Exchanger AHXL-1B	Sentry	3996-6E	U11408	365
Class 1 Piping	Texas Pipe Bending	---	---	---
Reactor Coolant Pump RCP-1A	Westinghouse	1A-1-618J871-GO1	---	---
Reactor Coolant Pump RCP-1B	Westinghouse	1B-2-618J871-GO2	---	---

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Residual Heat Exchanger AHRS1-1A	Joseph Oat and Sons	817-1E	U11046	344
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	GNI-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

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Letdown Heat Exchanger AHL D	Atlas	1206	U11405	1031
Seal Water Injection Filter AFSI-1A	Commercial Filters	101072	---	1172
Seal Water Injection Filter AFSI-1B	Commercial Filters	101073	---	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	Ajax 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

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Charging Pump APCH-1B Suction Stablizer	Greer Hydraulics	GH1-10235	---	569
Charging Pump APCH-1C Suction Stablizer	Greer Hydraulics	GH1-10236	---	570
Residual Heat Removal Pump APRH1-1A	Byron Jackson	681N0277	---	---
Residual Heat Removal Pump APRH2-1B	Byron Jackson	681N0276	---	---
Diesel Generator AHDG-1A Cooling Water Exchangers (2)	ITT Standard Corp.	750797-01-2 & 750797-01-3	---	---
Diesel Generator AHDG-1B Cooling Water Exchangers (2)	ITT Standard Corp.	750797-01-1 & 750797-01-4	---	---

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Reactor Coolant Pump RCPC-1A Lube Oil Cooler	Perfex Corporation	723701-1	---	4014
Reactor Coolant Pump RCPC-1B Lube Oil Cooler	Senior Engineering Company	1357901	---	---
Class 3 Piping	Texas Pipe Bending	---	---	---
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	---	---

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Containment Fan Cooler AHCF-1D	Joy Manufacturing and American Air Filter	GF14400	---	---
Safety Injection Pump Lube Oil Cooler AHSC-1A	Flow Serve	21414	---	---
Safety Injection Pump Lube Oil Cooler AHSC-1B	Borg Warner	S-96635	---	---
Safety Injection Pump Heat Exchangers (2) AHSC-1A	Borg Warner	854030:854030	---	---
Safety Injection Pump Heat Exchangers (2) AHSC-1B	Borg Warner	854030:854030	---	---
Residual Heat Removal Pump AHRHRP-1A Shaft Seal Heat Exchanger	Flowserve	03LEX607100/04	---	---

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Residual Heat Removal Pump AHRHRP-1B Shaft Seal Heat Exchanger	Flowserve	03LEX607100/01	---	---
Component Cooling Pump APCC-1A	Ingersoll Dresser Pump Flow Serv.	0600009	---	---
Component Cooling Pump APCC-1B	Ingersoll Dresser Pump Flow Serv.	0600010	---	---
Service Water Pump APSW-1A1	Worthington Pump	VTP27737	---	---
Service Water Pump APSW-1A2	Worthington Pump	75 TU-1719-1	---	---
Service Water Pump APSW-1B1	Worthington Pump	VTP27736	---	---
Service Water Pump APSW-1B2	Worthington Pump	VTP27738	---	---
Spent Fuel Pool Heat Exchanger AHSF	Struther Wells	1-68-06-1519	U11445	--

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Service Water Pump Strainer ASSW-1A1	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 Co.	S-26125	U39499	3269
Component Cooling Heat Exchanger AHCC2-1B	Engineers and Fabricators	S-26126	U39500	3270
Component Cooling Surge Tank ATCS	Sharpsville Steel	714	U11421	714
Control Room Air Conditioning Unit 1A Coil	Trane Company	K1H202002	---	---

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Control Room Air Conditioning Unit 1B Coil	Trane Company	K1H202003	---	---
Control Room Air Conditioning Expansion Tank 1A	ITT Bell and Gossett	---	---	---
Control Room Air Conditioning Expansion Tank 1B	ITT Bell and Gossett	116013	---	---

FORM NIS-1 (Back)

8. Examination Dates: February 16, 2005 to October 26, 2006
9. Inspection Period Identification: 1st
10. Inspection Interval Identification: 4th
11. Applicable Edition of Section XI: 1998 Addenda: 2000
12. Date/Revision of Inspection Plan: February 21, 2006 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 Case: N-460 and N-566-1.

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): Not Applicable Expiration Date: Not Applicable

Date: October 26, 2006 Signed: Dominion-Kewaunee By: Phillip C. Bakes
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 BOILER of CONNECTICUT have inspected the components described in this Owner's Report during the period 16 FEBRUARY 2005 to 26 OCTOBER 2006, 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.

James A. Niernara
Inspector's Signature

Commissions NB 11622 ABIN, WI 100131
National Board, State, Province, and Endorsements

Date: 30 OCTOBER 20 06

Enclosure 4

2006 INSERVICE INSPECTION SUMMARY REPORT

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS FOR CLASS MC
COMPONENTS**

KEWAUNEE POWER STATION

DOMINION ENERGY KEWAUNEE, INC.

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
AS REQUIRED BY THE PROVISIONS OF THE ASME CODE RULES**

1. OWNER – DOMINION ENERGY KEWAUNEE, INC.
N490 HIGHWAY 42 KEWAUNEE, WISCONSIN 54216-9511
2. PLANT – KEWAUNEE POWER STATION, N490 HIGHWAY 42, KEWAUNEE, WISCONSIN 54216-9511
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 -

<u>COMPONENT OR APPURTENANCE</u>	<u>MANUFACTURER OR INSTALLER</u>	<u>MANUFACTURER OR INSTALLER SERIAL NO.</u>	<u>STATE OR PROVINCE NO.</u>	<u>NATIONAL BOARD NO.</u>
Reactor Building Containment Vessel	Chicago Bridge and Iron Company	C4454	U11423	---
Personnel Airlock	Chicago Bridge and Iron Company	C4454	U11423	---

FORM NIS-1 (Back)

8. Examination Dates: April 11, 2005 to October 26, 2006
9. Inspection Period Identification: 3rd
10. Inspection Interval Identification: 1st
11. Applicable Edition of Section XI: 1992 Addenda: 1992
12. Date/Revision of Inspection Plan: June 17, 2005 Revision 3
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

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): Not Applicable Expiration Date: Not Applicable

Date: October 26 2006 Signed: Dominion-Kewaunee By: Phillip C. Burke
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 BOILER of CONNECTICUT have inspected the components described in this Owner's Report during the period 11 APRIL 2005 to 26 OCTOBER 2006, 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.

James A. Niemery
Inspector's Signature

Commissions NB 11622 ABIN, WI 100131
National Board, State, Province, and Endorsements

Date: 30 OCTOBER 2006

Enclosure 5

2006 INSERVICE INSPECTION SUMMARY REPORT

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITIES
(46 TOTAL)**

KEWAUNEE POWER STATION

DOMINION ENERGY KEWAUNEE, INC.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/30/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 98-215433
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code ASME SEC.III-1986 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
CVC-6	FLOWERVE CORPORATION	04-BGF	NA	CS002-016	2006	INSTALLED	N

7. Description of Work INSTALL REPLACEMENT CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE CVC-6 AND CONNECTING 2" SOCKET WELDS.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2241 psi Test Temp. 116 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/30/2006

Name of Component: CVC-6

Work Order Number: 98-215433

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Butkus Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 11/06/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 02-002234
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 06 Class 2 MAIN STEAM AND STEAM DUMP Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
SD-3B	FISHER CONTROLS CO.	4950742	NA	SD022-002	1969	CORRECTED	N

7. Description of Work CORRECT DUE TO LEAKAGE PAST THE SEAT CLASS 2 MAIN AUXILIARY STEAM AND STEAM DUMP SYSTEM 6" VALVE SD-3B.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 983 psi Test Temp. 543 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 11/06/2006

Name of Component: SD-3B

Work Order Number: 02-002234

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Burke Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James A. Keimery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 03/18/2005
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 04-007183
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code ASME III CLASS C (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
AHLD (CLASS 2)	ATLAS	1206	1031	00060	1970	INSTALLED	Y

7. Description of Work REPLACED 19 STUDS AND 38 NUTS ON CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM LETDOWN HEAT EXCHANGER.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
- Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 03/18/2005

Name of Component: AHLD (CLASS 2)

Work Order Number: 04-007183

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bukew Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Hiemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/16/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 04-008470
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
SI-300A	CRANE COMPANY	546K116878BN	NA	SI007-001	1972	CORRECTED	N

7. Description of Work CORRECT BODY TO BONNET LEAK ON CLASS 2 SAFETY INJECTION SYSTEM 10" VALVE SI-300A. REPLACED 16 VALVE BONNET STUDS AND 32 VALVE BONNET NUTS.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 105 psi Test Temp. 80 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/16/2006

Name of Component: SI-300A

Work Order Number: 04-008470

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Butler Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/31/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 04-008627
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RSI-H99	ITT GRINNELL VALVE COMPANY	NA	NA	NA	1967	INSTALLED	N

7. Description of Work INSTALL REPLACEMENT CLASS 2 SAFETY INJECTION SYSTEM 2" HYDRAULIC SNUBBER RSI-H99 DUE TO OIL LEAK.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F

9 Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/31/2006

Name of Component: RSI-H99

Work Order Number: 04-008627

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. DePue Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/30/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 04-013277
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code ASME SEC. III-1986 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
CVC-201A	FLOWERVE CORPORATION	03-BGF	NA	CS002-006	2006	INSTALLED	N

7. Description of Work INSTALL REPLACEMENT CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE CVC-201A AND CONNECTING 2" SOCKET WELDS.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2241 psi Test Temp. 116 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/30/2006

Name of Component: CVC-201A

Work Order Number: 04-013277

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bakes Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 03/11/2005
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-000161
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 23 Class 2 CONTAINMENT SPRAY Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
ICS-H9	ITT GRINNELL VALVE CO.	NA	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT BY REPAIRING OIL LEAK ON CLASS 2 CONTAINMENT SPRAY SYSTEM 6" HYDRAULIC SNUBBER ICS-H9.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 03/11/2005

Name of Component: ICS-H9

Work Order Number: 05-000161

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Burke Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niernberg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 03/11/2005
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-000175
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 23 Class 2 CONTAINMENT SPRAY Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
ICS-H12	ITT GRINNELL VALVE COMPANY	NA	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT BY REPAIRING OIL LEAK ON CLASS 2 CONTAINMENT SPRAY SYSTEM 6" HYDRAULIC SNUBBER ICS-H12.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 03/11/2005

Name of Component: ICS-H12

Work Order Number: 05-000175

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bakes Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/25/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-000185
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 36 Class 1 REACTOR COOLANT Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RC-103B	VELAN VALVE CORP.	NF	NA	RC009-002	1967	CORRECTED	N

7. Description of Work CORRECT CLASS 1 REACTOR COOLANT SYSTEM 3" VALVE RC-103B DUE TO LEAKAGE FROM THE SEAT.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure 2240 psi Test Temp. 547 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/25/2006

Name of Component: RC-103B

Work Order Number: 05-000185

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Beker Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 11/06/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-000417
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 06 Class 2 MAIN STEAM AND STEAM DUMP Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
SD-2B	WILLIAM POWELL CO.	NF	NA	SD004-002	1972	CORRECTED	N

7. Description of Work CORRECT DUE TO LEAKAGE PAST THE SEAT CLASS 2 MAIN AUXILIARY STEAM AND STEAM DUMP SYSTEM 8" VALVE SD-2B AND REPLACED 16 VALVE BONNET NUTS.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 983 psi Test Temp. 543 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 11/06/2006

Name of Component: SD-2B

Work Order Number: 05-000417

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Philip C. Duke Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/30/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2

2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-000423

3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable

4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable

5. (a) Applicable Construction Code ASME SEC. III-1986 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
CVC-5A	FLOWERVE CORPORATION	05-BGF	NA	CS002-013	2006	INSTALLED	N

7. Description of Work INSTALL REPLACEMENT CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE CVC-5A AND CONNECTING 2" SOCKET WELDS.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2241 psi Test Temp. 116 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/30/2006

Name of Component: CVC-5A

Work Order Number: 05-000423

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Burke Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/19/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-002493
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
CVC-2	ANCHOR VALVE CO.	NF	NA	CS034-001	1970	CORRECTED	N

7. Description of Work CORRECT BODY TO BONNET LEAK ON CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 4" VALVE CVC-2.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure 137 psi Test Temp. 90 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/19/2006

Name of Component: CVC-2

Work Order Number: 05-002493

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Butkus Inservice Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/25/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-002550
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 36 Class 1 REACTOR COOLANT Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
FE-459	VICKERY SIMMS INC.	NF	NA	27040	1970	INSTALLED	N

7. Description of Work INSTALL 8 REPLACEMENT STUDS AND 16 REPLACEMENT NUTS ON CLASS 1 REACTOR COOLANT SYSTEM 3" FLANGE FE-459. REPLACE GASKETS ON CLASS 1 REACTOR COOLANT SYSTEM 3" FLANGE FE-459.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2240 psi Test Temp. 547 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/25/2006

Name of Component: FE-459

Work Order Number: 05-002550

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bures Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James C. Hiemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/17/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-003825
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
SI-20B	VELAN VALVE CORP.	32096	NA	SI110-002	1970	CORRECTED	N

7. Description of Work CORRECT SEAT LEAKAGE ON CLASS 2 SAFETY INJECTION SYSTEM 12" VALVE SI-20B.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 740 psi Test Temp. 88 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/17/2006

Name of Component: SI-20B

Work Order Number: 05-003825

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Duker / Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Heinerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/25/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-003831
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 1 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
SI-303B	VELAN VALVE CORPORATION	NF	NA	SI116-004	1967	CORRECTED	N

7. Description of Work CORRECT BY SEAL WELDING BODY TO BONNET ON CLASS 1 SAFETY INJECTION SYSTEM 6" VALVE SI-303B DUE TO EVIDENCE OF LEAKAGE.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2240 psi Test Temp. 108 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/25/2006

Name of Component: SI-303B

Work Order Number: 05-003831

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Dukes Insurance Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/06/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-006098
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RSI-H78	ITT GRINNELL VALVE CO.	NA	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT DUE TO LEAKING SEALS CLASS 2 SAFETY INJECTION SYSTEM 3" HYDRAULIC SNUBBER RSI-H78.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/06/2006

Name of Component: RSI-H78

Work Order Number: 05-006098

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Duke Inservice Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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James A. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 02/17/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-008470
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 06 Class 2 MAIN STEAM AND STEAM DUMP Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
MSRH-H1	ITT GRINNELL VALVE CO.	NA	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT BY TIGHTENING LOOSE JAM NUT ON CLASS 2 MAIN AUXILIARY STEAM AND STEAM DUMP SYTSEM 6" SUPPORT MRSH-H1.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
- Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 02/17/2006

Name of Component: MSRH-H1

Work Order Number: 05-008470

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Butke Insurance Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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James A. Keimery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/25/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-010611
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 36 Class 1 REACTOR COOLANT Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
PS-1B	MASONEILAN INTERNATIONAL	H-20694-1-2	NA	RC013-001	1970	CORRECTED	N

7. Description of Work DISASSEMBLE AND REBUILD CLASS 1 REACTOR COOLANT SYSTEM 3" VALVE PS-1B WITH A REPLACEMENT BELLOWS SEAL AND REPLACEMENT UPPER SPOOL PIECE DUE TO VALVE PACKING LEAK.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2240 psi Test Temp. 547 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/25/2006

Name of Component: PS-1B

Work Order Number: 05-010611

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bikes/Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James A. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/06/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-010832
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
LD-27	MASONEILAN INTERNATIONAL, INC.	H-40688-1-6	NA	CS021-001	1970	CORRECTED	N

7. Description of Work CORRECT BY REPAIRING LEAKS ON CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 3" VALVE LD-27, 2" INLET FLANGE AND 2 - 2" OUTLET FLANGES. REPLACE GASKET ON 3" VALVE LD-27 FLANGE LEAK OFF LINE.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 135 psi Test Temp. 90 deg. F

9. Remarks NOT APPLICABLE

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/06/2006

Name of Component: LD-27

Work Order Number: 05-010832

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillips C. Duker Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 11/28/2005
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-012911
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RCVC-H186	ITT GRINNEL COMPANY	NA	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" HYDRAULIC SNUBBER RCVC-H186 DUE TO HYDRAULIC SNUBBER PADDLE BEING TIGHT WITH THE PIPE CLAMP.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 11/28/2005

Name of Component: RCVC-H186

Work Order Number: 05-012911

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Dutka / Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James A. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/06/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-014043
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RSI-H61	ITT GRINNELL VALVE COMPANY	NA	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT SAFETY INJECTION SYSTEM 6" HYDRAULIC SNUBBER RSI-H61 DUE TO MISALIGNMENT.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒

Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/06/2006

Name of Component: RSI-H61

Work Order Number: 05-014043

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Dubois, Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Keimig
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/05/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-014458
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
CVC-H216	ITT GRINNEL CORP.	NA	NA	NA	1967	CORRECTED	N

7. Description of Work MODIFY CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" SPRING CAN HANGER CVC-H216.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
- Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/05/2006

Name of Component: CVC-H216

Work Order Number: 05-014458

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bakes, Emergent Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James A. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 04/24/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-014580
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code SEC.III CL2-1980 ADD (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
APSS-1C	GREER HYDRAULICS	GH1-10236	570	162-937	1981	CORRECTED	Y

7. Description of Work REPAIR CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM CHARGING PUMP 1C SUCTION STABILIZER DUE TO REDUCED FLOW RATE.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 24 psi Test Temp. 115 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 04/24/2006

Name of Component: APSS-1C

Work Order Number: 05-014580

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. DeFes Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Heinery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 07/17/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 05-014608
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 34 Class 2 RESIDUAL HEAT REMOVAL Expiration Date Not Applicable
5. (a) Applicable Construction Code ASME III CLASS C (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
AHRS2-1B (CLASS 2)	JOSEPH OAT AND SONS	1817-1F	345	00126	1970	INSTALLED	Y

7. Description of Work REMOVE AND INSPECT CLASS 2 RESIDUAL HEAT REMOVAL SYSTEM RESIDUAL HEAT EXCHANGER STUDS AND NUTS DUE TO EVIDENCE OF LEAKAGE. REPLACED 2 FLANGE STUDS AND 4 FLANGE NUTS.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure 481 psi Test Temp. 336 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 07/17/2006

Name of Component: AHRS2-1B (CLASS 2)

Work Order Number: 05-014608

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Butke Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemera
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 02/20/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-001027
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 34 Class 2 RESIDUAL HEAT REMOVAL Expiration Date Not Applicable
5. (a) Applicable Construction Code NA (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
APRH1-1A	BRYON JACKSON	681N0277	NA	00127	1970	INSTALLED	N

7. Description of Work REMOVE AND INSPECT CLASS 2 RESIDUAL HEAT REMOVAL SYSTEM RESIDUAL HEAT REMOVAL PUMP 1A CASING STUDS (2) AND NUTS (2) DUE TO EVIDENCE OF LEAKAGE. REPLACED 2 RESIDUAL HEAT REMOVAL PUMP 1A CASING STUDS AND 2 RESIDUAL HEAT REMOVAL PUMP 1A CASING NUTS.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure 180 psi Test Temp. 78 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 02/20/2006

Name of Component: APRH1-1A

Work Order Number: 06-001027

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip E. Burke Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 01/30/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-001059
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 34 Class 2 RESIDUAL HEAT REMOVAL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-H10H	ITT GRINNELL VALVE CO.	NF	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT CLASS 2 RESIDUAL HEAT REMOVAL SYSTEM 8" HYDRAULIC SNUBBER RHR-H10H DUE TO MISSING NUT.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
- Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 01/30/2006

Name of Component: RHR-H10H

Work Order Number: 06-001059

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Beker, Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James A. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 02/23/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-001078
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 34 Class 2 RESIDUAL HEAT REMOVAL Expiration Date Not Applicable
5. (a) Applicable Construction Code NA (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
APRH2-1B	BRYON JACKSON	681N0276	NA	00128	1970	INSTALLED	N

7. Description of Work REMOVE AND INSPECT CLASS 2 RESIDUAL HEAT REMOVAL SYTSEM RESIDUAL HEAT REMOVAL PUMP 1B CASNG STUDS AND NUTS DUE TO EVIDENCE OF LEAKAGE. REPLACED 2 RESIDUAL HEAT REMOVAL PUMP 1B CASING STUDS AND 2 RESIDUAL HEAT REMOVAL PUMP 1B CASING NUTS.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☐ Pressure 171 psi Test Temp. 78 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 02/23/2006

Name of Component: APRH2-1B

Work Order Number: 06-001078

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillips C. Baker Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/01/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-003154
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 34 Class 2 RESIDUAL HEAT REMOVAL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-H10H	ITT GRINNELL VALVE CO.	NF	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT CLASS 2 RESIDUAL HEAT REMOVAL SYSTEM 8" HYDRAULIC SNUBBER RHR-H10H BY ADDING LOCTITE TO 3/4" NUT ONTO REPLACEMENT BOLT ON PIPE BRACKET.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/01/2006

Name of Component: RHR-H10H

Work Order Number: 06-003154

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Butler Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

James W. Niemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/17/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-003259
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
SI-9A	VELAN VALVE CORPORATION	1304	NA	SI012-001	1967	CORRECTED	N

7. Description of Work CORRECT BODY TO BONNET LEAK ON CLASS 2 SAFETY INJECTION SYSTEM 3" VALVE SI-9A. REPLACED 12 VALVE BONNET STUDS AND 12 VALVE BONNET NUTS.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2100 psi Test Temp. 88 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/17/2006

Name of Component: SI-9A

Work Order Number: 06-003259

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Duker Insurance Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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James C. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/17/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-004589
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 34 Class 2 RESIDUAL HEAT REMOVAL Expiration Date Not Applicable
5. (a) Applicable Construction Code NA (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
APRH2-1B	BRYON JACKSON	681N0276	NA	00128	1970	INSTALLED	N

7. Description of Work INSTALLED 24 REPLACEMENT PUMP CASING STUDS AND 24 REPLACEMENT PUMP CASING NUTS ON CLASS 2 RESIDUAL HEAT REMOVAL SYSTEM RESIDUAL HEAT REMOVAL PUMP 1B.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 385 psi Test Temp. 137 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/17/2006

Name of Component: APRH2-1B

Work Order Number: 06-004589

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillips C. Buter Insurance Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 05/19/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-005853
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 05B Class 2 AUXILIARY FEEDWATER Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
FDW-H40	ITT GRINNEL COMPANY	NF	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT CLASS 2 AUXILIARY FEEDWATER SYSTEM 3" HANGER FDW-H40 DUE TO MISSING NUT.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 05/19/2006

Name of Component: FDW-H40

Work Order Number: 06-005853

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Burke Insurance Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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James A. Cimera
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/31/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-006810
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
CVC-443	ITT GRINNELL VALVE CO.	NF	NA	CS005-132	1972	INSTALLED	N

7. Description of Work INSTALL STAINLESS STEEL NUT ON CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE CVC-443.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/31/2006

Name of Component: CVC-443

Work Order Number: 06-006810

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this INSTALLED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bakes Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Kiemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/10/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-006960
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case N-566-1
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-299A	ALOYCO INC.	NF	NA	SI008-001	1970	CORRECTED	N

7. Description of Work CORRECT BY REPLACING BODY TO BONNET GASKET ON CLASS 2 SAFETY INJECTION SYSTEM 6" VALVE RHR-299A DUE TO EVIDENCE OF BORIC ACID.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 145 psi Test Temp. 101 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/10/2006

Name of Component: RHR-299A

Work Order Number: 06-006960

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Baker, Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Himerig
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

KEWAUNEE NUCLEAR POWER PLANT
INSERVICE INSPECTION INDICATION EVALUATION RECORD FOR CODE CASE N-566-1
COMPLIANCE

System or Component: Safety Injection Pumps Suction Piping: Safety Injection System

Drawing No.: ISIM-933: ISIXK100-29 Component Identification: RHR-299A (XK-100-1377)

ASME Section XI 1998 Edition 2000 Addenda: Article IWA-5000 Section: IWA-5250(a)(2)

Indication Detection Method: VT-1 () VT-2 (X) VT-3 ()

Leakage Stopped: YES: ☐ NO: ☒

If YES Evaluate in accordance with below:

If NO Evaluate in accordance with IWB-3142.4 and below.

EVALUATION FOR SUSCEPTIBILITY OF THE BOLTING TO CORROSION AND FAILURE

Number and Service Age of the Bolts: 16 Studs and 32 Nuts; Service Age: 1970; VT-3 of 16 Studs Disassembled and 32 Nuts Disassembled were performed on May 7, 2003 for Work Order 03-005353 with Acceptable No Indications recorded.

Bolt and Component Material: Studs: A-193 B-7 Carbon Steel; Nuts: A-194 2H Carbon Steel; Valve Bonnet: A-351 CF8M; Valve Body: A-351 CF8M

Corrosiveness of Process Fluid: From Evaluation in CAP 022003 the following was determined: Per GNP-08.06.01 Boric Acid Corrosion Control Inspection and Evaluation RHR-299A Leakage is a Low Risk Leak with potential degradation rates of 0.002 to 0.007 inches/year but requires cleaning and a follow up Visual examination to complete the evaluation. RHR-299A will be monitored under the Boric Acid Corrosion Control Program.

Leakage Location and System Function: Active Wet Boric Acid Between Valve Body and Valve Bonnet with Wet Boric Acid In Contact with Bonnet Studs; System Function: Safety Injection and Residual Heat Removal

Leakage History at the Connection or Other System Components: From Inservice Inspection Program: Evidence of Leakage at Body to Bonnet in 1987. Moderate Dry Boric Acid at Bonnet Seal Weld Surface in 1996 & Light Dry Boric Acid at Bonnet Seal Weld Interface in 2001. Boric Acid, Rust & Corrosion on Studs in 1985 and possible Corrosion of Studs in 1996. Light Dry Boric Acid on Studs in 1998.

Visual Evidence of Corrosion at the Assembled Connection: Unknown until cleaning. Scaffold Building, Cleaning and VT-3 examination has been scheduled under the GNP-08.06.01 Boric Acid Corrosion Control Inspection and Evaluation Program.

Root Cause Analysis: Possible Body to Bonnet Gasket Failure due to Insufficient Gasket Compression.

Work Request 04-002109 will confirm Root Cause Analysis

Recommendation:	Repair/Replace Per GMP-207 (X)	Work Order: <u>WR: 04-002109</u>
	Accept As Is and Monitor (X)	
	Not Applicable ()	

Comments: Repair/Replace: Work Request: 04-002109; Accept As Is and Monitor: CAP: 022003

Evaluation Performed By: Phillip C. Bukes **Date:** August 3, 2004

Title: Inservice Inspection Program Owner

Inservice Inspection Review: Phillip C. Bukes **Date:** August 3, 2004

Level III Review: Robert Davies **Date:** 8-3-04

Engineering Supervisor Review: [Signature] Tim Hansen **Date:** 8-6-04

Authorized Nuclear Inservice Inspector Review: Rogn Magnus **Date:** 8-9-04

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/01/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-010293
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 34 Class 2 RESIDUAL HEAT REMOVAL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-H21A	ITT GRINNEL	NA	NA	NA	1969	CORRECTED	N

7. Description of Work CORRECT BY TIGHTENING LOOSE CLAMP BOLT ON CLASS 2 RESIDUAL HEAT REMOVAL SYSTEM 6" HYDRAULIC SNUBBER RHR-H21A.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/01/2006

Name of Component: RHR-H21A

Work Order Number: 06-010293

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bates / Inservice Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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James W. McInerney
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/04/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-010295
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 36 Class 1 REACTOR COOLANT Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RTD-H11	ITT GRINNEL	NF	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT BY REBUILDING CLASS 1 REACTOR COOLANT SYSTEM 2" HYDRAULIC SNUBBER RTD-H11 DUE TO CYLINDER OIL LEAKAGE.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/04/2006

Name of Component: RTD-H11

Work Order Number: 06-010295

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Baker, Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James C. Kimera
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 09/24/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-010326
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 31 Class 3 COMPONENT COOLING Expiration Date Not Applicable
5. (a) Applicable Construction Code NA (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
AHRHRP-1A	FLOWSERVE	03LEX607100/04	NA	145-141	2003	CORRECTED	N

7. Description of Work CORRECT BY REPAIRING LEAK ON THE CLASS 2 RESIDUAL HEAT REMOVAL SYSTEM SIDE OF RESIDUAL HEAT REMOVAL PUMP 1A SHAFT SEAL HEAT EXCHANGER.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 138 psi Test Temp. 87 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 09/24/2006

Name of Component: AHRHRP-1A

Work Order Number: 06-010326

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bisher, Insurance Inspection Program Owner Date November 7, 20 06
Owner or Owner's Designee, Title

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James W. Niemery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/04/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-010465
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-H12A	ITT GRINNELL VALVE CO.	NF	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT DUE TO OIL LEAKAGE CLASS 2 SAFETY INJECTION SYSTEM 6" HYDRAULIC SNUBBER RHR-H12A.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/04/2006

Name of Component: RHR-H12A

Work Order Number: 06-010465

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Baker, Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

James W. Niemura
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/04/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-010466
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-H12B	ITT GRINNELL VALVE CO.	NF	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT DUE TO OIL LEAKAGE CLASS 2 SAFETY INJECTION SYSTEM 6" HYDRAULIC SNUBBER RHR-H12B.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/04/2006

Name of Component: RHR-H12B

Work Order Number: 06-010466

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillips C. Butkus Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James A. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/12/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-010473
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 34 Class 1 RESIDUAL HEAT REMOVAL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-1B	VELAN VALVE CORPORATION	NF	NA	AC104-003	1972	CORRECTED	N

7. Description of Work CORRECT DUE TO EVIDENCE OF LEAKAGE BY SEAL WELDING BODY TO BONNET CLASS 1 RESIDUAL HEAT REMOVAL SYSTEM 8" VALVE RHR-1B.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 15 psi Test Temp. 93 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/12/2006

Name of Component: RHR-1B

Work Order Number: 06-010473

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Baker, Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/09/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-010481
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RCVC-H191	ITT GRINNEL COMPANY	NA	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT BY REBUILDING CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" HYDRAULIC SNUBBER RCVC-H191 DUE TO EXCESSIVE CLEARANCE IN THE PIPE CLAMP TO SNUBBER FASTENER.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/09/2006

Name of Component: RCVC-H191

Work Order Number: 06-010481

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bueker, Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/24/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-011440
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
CVC-10	KEROTEST MFG CORP	NV-143	NA	CS100-005	1973	CORRECTED	N

7. Description of Work CORRECT DUE TO NOT SEATING PROPERLY CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE CVC-10.
8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2236 psi Test Temp. 96 deg. F
9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/24/2006

Name of Component: CVC-10

Work Order Number: 06-011440

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Bakes Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/17/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-011623
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-H12A	ITT GRINNELL VALVE CO.	NF	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT BY VERIFYING TIGHTNESS OF TIE ROD HEX NUTS ON CLASS 2 SAFETY INJECTION SYSTEM 6" HYDRAULIC SNUBBER RHR-H12A.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/17/2006

Name of Component: RHR-H12A

Work Order Number: 06-011623

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Baker Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James A. Nimery
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/17/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-011623
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 33 Class 2 SAFETY INJECTION Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
RHR-H12B	ITT GRINNELL VALVE CO.	NF	NA	NA	1967	CORRECTED	N

7. Description of Work CORRECT BY VERIFYING TIGHTNESS OF TIE ROD HEX NUTS ON CLASS 2 SAFETY INJECTION SYSTEM 6" HYDRAULIC SNUBBER RHR-H12B.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
- Other ☐ Pressure psi Test Temp. deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/17/2006

Name of Component: RHR-H12B

Work Order Number: 06-011623

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Baker, Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James A. Niemera
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/24/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-011629
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 35 Class 2 CHEMICAL AND VOLUME CONTROL Expiration Date Not Applicable
5. (a) Applicable Construction Code B31.1-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
CVC-10	KEROTEST MFG CORP	NV-143	NA	CS100-005	1973	CORRECTED	N

7. Description of Work CORRECT BODY TO BONNET LEAK BY SEAL WELDING CLASS 2 CHEMICAL AND VOLUME CONTROL SYSTEM 2" VALVE CVC-10.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2236 psi Test Temp. 96 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/24/2006

Name of Component: CVC-10

Work Order Number: 06-011629

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillips C. Butera, Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/31/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-011685
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 23 Class 2 CONTAINMENT SPRAY Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
ICS-202	FISHER CONTROLS INTERNATIONAL	4950736	NA	ICS013-001	1972	CORRECTED	N

7. Description of Work CORRECT DUE TO NOT HOLDING PRESSURE CLASS 2 CONTAINMENT SPRAY SYSTEM 2" VALVE ICS-202.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 420 psi Test Temp. 87 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/31/2006

Name of Component: ICS-202

Work Order Number: 06-011685

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Becka Insurance Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Dominion Energy-Kewaunee Date 10/24/2006
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Sheet 1 of 2
2. Plant Kewaunee Power Station Unit No. 1
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Work Order 06-011694
3. Work Performed By Dominion Energy-Kewaunee Type Code Sym. Stamp NA
N490 Highway 42, Kewaunee, Wisconsin 54216-9511 Authorization No. Not Applicable
4. Identification of System 23 Class 2 CONTAINMENT SPRAY Expiration Date Not Applicable
5. (a) Applicable Construction Code B16.5-1967 (c) Applicable Section XI Code Case NA
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 1998 Edition 2000 Addenda

6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other ID	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
ICS-4A	TRW MISSION MANUFACTURING	47571	NA	ICS004-003	1970	CORRECTED	N

7. Description of Work OPEN FOR CORRECTION DUE TO NOT BEING ABLE TO VERIFY CLOSURE CLASS 2 CONTAINMENT SPRAY SYSTEM 6" VALVE ICS-4A.

8. Tests conducted Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 225 psi Test Temp. 81.5 deg. F

9. Remarks NOT APPLICABLE.

Applicable Manufacturer's Data Reports to be Attached

NIS-2 (Back)

Sheet 2 of 2

Date: 10/24/2006

Name of Component: ICS-4A

Work Order Number: 06-011694

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this CORRECTED conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp NA

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed Phillip C. Becker / Inservice Inspection Program Owner Date November 7, 20 06
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 Insurance Company of CT have inspected the components described in this Owner's Report during the period 16 FEB 05 to 26 OCT 06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

James W. Niemerg
Inspector's Signature

Commissions NB 11622, I, N, B, A WIS 100131
National Board, State, Province, and Endorsements

Date 7 NOVEMBER, 20 06

Enclosure 6

2006 INSERVICE INSPECTION SUMMARY REPORT

**EXAMINATION SUMMARY FOR CLASS 1, CLASS 2, AND CLASS 3 INSERVICE
INSPECTION PROGRAM FOR FOURTH TEN-YEAR INTERVAL**

KEWAUNEE POWER STATION

DOMINION ENERGY KEWAUNEE, INC.

**KEWAUNEE POWER STATION
2ND OUTAGE: 1ST PERIOD: 4TH INTERVAL
2006
EXAMINATION SUMMARY**

INTRODUCTION

An Inservice Inspection (ISI) Program (Scheduled and Augmented) was performed at the Kewaunee Power Station from February 16, 2005 through November 8, 2005 (Non Refueling Outage) and September 2, 2006 through October 26, 2006 (Closing of G1 following Refueling Outage) by Kewaunee Power Station, Lambert, MacGill, and Thomas, Inc.(LMT) and Great Lakes Testing examination personnel.

Examinations were performed to satisfy the requirements of:

- ASME Boiler and Pressure Vessel Code Section XI 1998 Edition 2000 Addenda
- United States Nuclear Regulatory Commission Generic Letter 88-05 "Boric Acid Corrosion of Carbon Steel Reactor Coolant Boundary Components in PWR Plants"
- United States Nuclear Regulatory Commission Bulletin 2003-02 "Leakage From Reactor Pressure Vessel Lower Head Penetrations and Reactor Coolant Pressure Boundary Integrity"
- United States Nuclear Regulatory Commission Regulatory Guide 1.14 Revision 1 Reactor Coolant Pump Flywheel Integrity
- Materials Reliability Program MRP-129 Generic Guidance For Alloy 600 Management
- Materials Reliability Program MRP-139 Primary System Piping Butt Weld Inspection and Evaluation Guideline

The Inservice Inspection Program Plan and Augmented Inspection Program Plan located under Tab C was prepared by Kewaunee Power Station Plant for the 2nd Outage: 1st Period: 4th Interval as identified in the Kewaunee Power Station Fourth 10-Year Inservice Inspection (ISI) Program 2004 – 2014. Examinations during this Refueling Outage were performed to complete 1st Period; 4th Interval Examination Requirements of ASME Boiler and Pressure Vessel Code Section XI 1998 Edition 2000 Addenda and Kewaunee Power Station Fourth 10-Year Inservice Inspection (ISI) Program 2004-2014.

The following items were examined:

- Reactor Vessel Upper and Lower Internals
- Reactor Vessel Closure Head Bare Metal
- Reactor Vessel Bottom Head Bare Metal for MRP-129 Generic Guidance for Alloy 600 Management

- Steam Generator Shell Circumferential Weld
- Reactor Coolant Pump Main Flange Bolting and No. 1 Seal Housing Bolting
- Reactor Coolant Pump Flywheel
- Class 1 Valve Bodies
- Class 1 Piping welds for MRP-139 Generic Guidance For Alloy 600 Management
- Class 1, Class 2 and Class 3 Piping and Component Supports and Hangers
- Class 1 and Class 2 Steam Generator Primary Manway Bolting, Pressurizer Manway Bolting, Flange Bolting and Valve Bonnet Bolting
- Class 2 Feedwater Nozzle to Pipe Welds
- Class 1 System Leakage Test
- Class 2 and Class 3 System Leakage Tests

EXAMINATIONS

The examinations performed were in accordance with an approved Inservice 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 Power Station Components and Piping Systems were designed and fabricated before ASME Boiler and Pressure Vessel 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 occurrence 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 personnel from: the Nuclear Regulatory Commission and Hartford Steam Boiler Inspection and Insurance Company of CT.

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 2006 Refueling Outage are listed in Table 1 with a brief summary following. Specific data relative to all Recordable Indications and their dispositions by either corrective measures, acceptance by ASME Boiler and Pressure Vessel Code Section XI 1998 Edition 2000 Addenda Acceptance Criteria, Repair or Replacement or Evaluation are located in Tab F of the Final Report

TABLE 1

<u>TYPE OR LOCATION OF RECORDABLE INDICATION (RI)</u>	<u>METHOD</u>	<u>NO. OF RI'S</u>
• Steam Generator 1B Shell Circumferential Weld SG-W10	Volumetric (UT)	1 Weld
• Reactor Vessel Internals	Visual (VT-3)	1 Thermocouple Conduit
• Flange Bolting	Visual (VT-1 and VT-3)	1 Flange
• Valve Bonnet Bolting	Visual (VT-3)	3 Valves
• System Leakage Pressure Tests	Visual (VT-2)	30 Items

1. Recordable Indications were recorded on Steam Generator 1B Circumferential Girth Weld SG-W10. The 43 Separate Indications were previously recorded during the 1996 and 2001 Refueling Outages. A comparison of the length, amplitude, and position of the signal response between 1996, 2001 and 2006 revealed no discernible changes, indicating that the flaws are stable and have not grown in size. Indications were acceptable either by ASME Boiler and Pressure Vessel Code Section XI 1998 Edition 2000 Addenda or by Fracture Analysis as provided in Westinghouse Electric Corporation WCAP 11476 Rev. 3 Handbook on Flaw Evaluation Kewaunee Unit 1 Steam Generator Upper Shell to Cone Weld, May 1991 and evaluation by Kewaunee Power Station during the 1996 and 2001 Refueling Outages.
2. Recordable Indication was recorded on the Reactor Vessel Upper Internals Upper Support Plate Thermocouple Conduit at Location C-3. The separated conduit cable was previously recorded in 1995 and 2004. The separated conduit at location C-3 showed no noticeable change in separation and was previously acceptable under the Kewaunee Power Station Corrective Action Program.
3. Visual (VT-1 and VT-3) Indications were recoded on 1 Flange. The discrepancy in the actual length of the flange studs and the Quality Part Tag was evaluated by Kewaunee Power Station Engineering Personnel and accepted.
4. Visual (VT-3) Indications recorded on Valve Bonnet Bolting (3 Valves) were: Repaired, Reexamined and Accepted by: Kewaunee Power Station Maintenance and Inservice Inspection Personnel and reviewed by the Authorized Nuclear Inservice Inspector.

5. Visual (VT-2) Indications recorded during System Leakage Pressure Tests (30 Items) were:
(1) Evaluated and Accepted or (2) Repaired, Reexamined and Accepted by: Kewaunee Power Station Maintenance Engineering, Program Engineering or Inservice Inspection Personnel and reviewed by the Authorized Nuclear Inservice Inspector.

SUMMARY

An Inservice Inspection Program Plan was performed at the Kewaunee Power Station from February 16, 2005 through November 8, 2005 (Non Refueling Outage) and September 2, 2006 through October 26, 2006 (Closing of G1 following Refueling Outage). Examinations were performed as scheduled in the Kewaunee Power Station Fourth 10-Year Inservice Inspection (ISI) Program 2004 -2014 to complete examinations for the 1st period, 4th Interval; A total of 36 Recordable Indications were detected. All Recordable Indications were corrected or accepted by ASME Boiler and Pressure Vessel Code Section XI 1998 Edition 2000 Addenda Acceptance Criteria, Repair/Replacement or Evaluation.

Phillip E. Bukes October 26, 2006
Phillip E. Bukes Date
Engineering Programs
Inservice Inspection Program Owner

Enclosure 7

2006 INSERVICE INSPECTION SUMMARY REPORT

**EXAMINATION SUMMARY FOR INSERVICE INSPECTION CLASS MC PROGRAM
FOR FIRST TEN-YEAR INTERVAL**

KEWAUNEE POWER STATION

DOMINION ENERGY KEWAUNEE, INC.

**KEWAUNEE POWER STATION
2ND OUTAGE: 3RD PERIOD: 1ST INTERVAL
2006
EXAMINATION SUMMARY**

INTRODUCTION

An Inservice Inspection (ISI) Program for the Class MC Reactor Building Containment Vessel was performed at the Kewaunee Power Station from April 11, 2005 through October 26, 2006 (Closing of G1 following Refueling Outage) by Kewaunee Power Station and Lambert, MacGill and Thomas Inc. examination personnel.

Examinations were performed to satisfy the requirements of:

- ASME Boiler and Pressure Vessel Code Section XI 1992 Edition up to and including 1992 Addenda

The Inservice Inspection Program Plan located under Tab C was prepared by Kewaunee Power Station for the 2nd Outage; 3rd Period; 1st Interval as identified in the Kewaunee Power Station First 10-Year Inservice Inspection (ISI) Program 1996-2006. Examinations during this Refueling Outage were performed to complete the 3rd Period, 1st Interval Examinations and to complete the 1st Ten Year Interval examination requirements of ASME Boiler and Pressure Vessel Code Section XI 1992 Edition 1992 Addenda and Kewaunee Power Station First 10-Year Inservice Inspection (ISI) Program 1996-2006.

The following items were examined for the Class MC Reactor Building Containment Vessel:

- Accessible Surface Areas
- Circumferential Weld
- Seals and Gaskets
- Airlocks
- Pressure Retaining Components

EXAMINATIONS

The examinations performed were in accordance with an approved Inservice 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 Power Station Components and Piping Systems were designed and fabricated before ASME Boiler and Pressure Vessel 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 occurrence 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: Nuclear Regulatory Commission and Hartford Steam Boiler Inspection and Insurance Company of CT.

RESULTS

Examinations resulted with the following Recordable Indication 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.

The Recordable Indication detected during the 2006 Refueling Outage is listed in Table 1 with a brief summary following. Specific data relative to the Recordable Indication disposition by acceptance per ASME Boiler and Pressure Vessel Code Section XI 1992 Edition 1992 Addenda Acceptance Criteria, Repair/Replacement or Evaluation is located in Tab F of the Final Report.

TABLE 1

<u>TYPE OR LOCATION OF RECORDABLE INDICATION (RI)</u>	<u>METHOD</u>	<u>NO. OF RI'S</u>
Reactor Building Containment Vessel	General Visual and VT-3	1 Plate

1. General Visual and VT-3 Indication consisting of a scab type indication 3" x 4" located on Plate 158. This scab type indication was accepted by Structural Engineering as a Preservice Surface Imperfection during the 2004 Refueling Outage. Reexamination during the 2006 Refueling Outage revealed no noticeable change in the indication on Plate 158 and was accepted by Kewaunee Power Station Structural Engineering.

SUMMARY

An Inservice Inspection Program for the Class MC Reactor Building Containment Vessel was performed at the Kewaunee Power Station from April 11, 2005 through October 26, 2006 (Closing of G1 following Refueling Outage). Examinations were performed as scheduled in the Kewaunee Power Station First 10-Year Inservice Inspection (ISI) Program 1996-2006. One (1) Recordable Indication was detected. The Recordable Indication was Accepted by: ASME Boiler and Pressure Vessel Code Section XI 1992 Edition 1992 Addenda Acceptance Criteria and Kewaunee Power Station Structural Engineering Evaluation.

Phillip E. Bukes October 26, 2006
Phillip E. Bukes Date

Engineering Programs
Inservice Inspection Program Owner

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2006 INSERVICE INSPECTION SUMMARY REPORT

**SUMMARY OF EXAMINATIONS THAT WERE LIMITED BY GEOMETRIC,
METALLURGICAL, OR DESIGN/ACCESS RESTRICTIONS AND ASSOCIATED DATA
SHEETS (1 TOTAL)**

KEWAUNEE POWER STATION

DOMINION ENERGY KEWAUNEE, INC.

**SUMMARY OF EXAMINATIONS THAT WERE LIMITED BY GEOMETRIC,
METALLURGICAL, OR DESIGN/ACCESS RESTRICTIONS**

Year	Component Identification	Method of Examination	% Recorded as Not Examined and Limitation
2006	Steam generator 1B shell circumferential weld SG-W10	UT	7.9% 3 - 2" nozzles, 3 - welded pads each 7 3/4"x 10 3/4" and weld crown

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2006 INSERVICE INSPECTION SUMMARY REPORT

**EXAMINATION SUMMARY FOR STEAM GENERATOR EDDY CURRENT TESTING
KEWAUNEE POWER STATION**

DOMINION ENERGY KEWAUNEE, INC.

**Kewaunee Power Station
Steam Generator Eddy Current Inspection Summary**

During the fall 2006 KPS refueling outage, a steam generator inspection in accordance with KPS Technical Specification 6.22 was completed for both steam generators 1A and 1B.

Each of the following was performed in BOTH steam generators 1A and 1B

- ♦ 100% Full-Length Inspection utilizing Bobbin Coil
- ♦ 20% Hot Leg Top of Tubesheet (+/- 2") utilizing Rotating Coil, biased toward the peripheral tubes
- ♦ 20% Row 1 u-bend region utilizing Rotating Coil
- ♦ 100% of Dings, Dents, and Bulges > 2 volts with Rotating Coil
- ♦ 100% of Bobbin identified Possible Loose Parts with Rotating Coil
- ♦ 100% of Bobbin identified I-codes with Rotating Coil


No active degradation mechanisms were discovered during the fall 2006 inspection.

No tubes required plugging or in situ pressure testing during the fall 2006 inspection.

To date, following the fall 2006 inspection, there are zero total tubes plugged in both steam generator 1A and 1B.

Condition Monitoring was completed. Neither steam generator 1A nor 1B exceeded any performance criteria during the last inspection cycle (since spring 2003 inspection). No damage mechanisms were required to be evaluated due to the lack of a degradation mechanism being found during the inspection. Steam Generator Operational Assessment from spring 2003 inspection was concluded to be conservative and no corrective actions were required.

There are zero tubes plugged and zero sleeves installed in both steam generator 1A and 1B. Therefore, effective plugging is 0% (zero) in both steam generator 1A and 1B.

	11/30/06
Brent R. Dunn	Date
Engineering Programs	
Steam Generator Program Owner	