

# JUN 1 3 2011

U. S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, DC 20555 Serial No.11-222KPS/LIC/JG:R1Docket No.50-305License No.DPR-43

#### DOMINION ENERGY KEWAUNEE, INC. KEWAUNEE POWER STATION 2011 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 2011 refueling outage at the Kewaunee Power Station (KPS). The refueling outage took place from February 26, 2011 through March 26, 2011. This letter transmits the ISI Report as required by paragraph IWA-6230 of ASME Section XI. ISI activities performed at KPS during the period between November 17, 2010 and February 25, 2011 are also covered by this report.

Two separate ASME Section XI ISI 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 (MC). The 2011 refueling outage inservice inspections met the requirements of these two distinct inspection program intervals as listed below:

- a. Class 1, Class 2, and Class 3 component inspections were performed for the first inspection outage of the third period of the fourth interval. These 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 ISI Program 2004-2014.
- b. Class MC component inspections were performed for the first inspection outage of the second period of the second interval. These inspections met the requirements of ASME Boiler and Pressure Vessel Code Section XI, 2001 Edition, 2003 Addenda with implementation in accordance with the KPS Second Ten-Year ISI Class MC Program 2006-2016.

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

- Reactor vessel closure head bare metal
- Reactor vessel closure head control rod drive mechanisms
- Reactor vessel closure head studs, nuts and washers
- Reactor vessel bottom mounted instrumentation
- Steam generator nozzle inner radius

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- Steam generator nozzle to safe end welds
- Pressurizer nozzle inner radius and pressurizer heater penetrations
- Reactor coolant pump main flange bolting and No. 1 seal housing bolting
- Class 1, Class 2, and Class 3 piping and component supports and hangers
- Class 1 valves
- Class 1 and Class 2 steam generator primary manway bolting, pressurizer manway bolting, flange bolting and valve bonnet bolting
- Class 2 preservice of auxiliary feedwater piping and supports
- Class 2 preservice of containment spray piping and supports
- Class 2 safety injection pumps integrally welded attachments
- Class 1 system leakage test
- Class 2 and Class 3 system leakage tests
- Steam generator 1A and 1B tubing eddy current examinations

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

- Accessible surface areas
- Moisture barriers
- Bolted connections

Hydraulic snubbers were examined as required by the KPS Snubber Program.

Documentation summarizing the ISI activities performed during the KPS 2011 refueling outage and associated results is provided in Attachments 1-6 of this letter. The final reports for each of these examinations are maintained in the Quality Assurance/Quality Control Records Vault at KPS.

Attachment 7 provides additional "Form NIS-2 Owner's Report For Repair/Replacement Activity" (5 total) that were inadvertently omitted from the 2008 and 2009 ISI Summary Reports (references 1 and 2).

The next refueling outage at KPS is tentatively scheduled for the Spring of 2012.

If you have questions or require additional information, please feel free to contact Mr. Jack Gadzala at (920) 388-8604.

Very truly yours,

Stephen E

Stephen E. Scace Site Vice President Kewaunee Power Station

#### References:

- Letter from Gerald T. Bischof (DEK) to Document Control Desk (NRC), "2008 Inservice Inspection Summary Report," dated July 29, 2008 [ADAMS Accession No. ML082180656].
- Letter from J. Alan Price (DEK) to Document Control Desk (NRC), "2009 Inservice Inspection Summary Report," dated January 4, 2010 [ADAMS Accession No. ML100070554].

#### Attachments:

- 1. Summary of Relevant Conditions and Disposition.
- 2. Examination Summary for Class 1, Class 2, and Class 3 Inservice Inspection Program for Fourth Ten-Year Interval.
- 3. Examination Summary for Class MC Inservice Inspection Program for Second Ten-Year Interval.
- 4. Examination Summary for Steam Generator Tubing Eddy Current Examinations.
- 5. Summary of Examinations that were Limited by Geometric, Metallurgical, or Design/Access Restrictions (30 Total).
- 6. Form OAR-1 Owner's Activity Report; Table 1 Items with Flaws or Relevant Conditions that Required Evaluation for Continued Service; Table 2 Abstract of Repair/ Replacement Activities Required for Continued Service.
- 7. 2008 and 2009 Inservice Summary Reports Additional "Form NIS-2 Owner's Report for Repair/Replacement Activity" (5 Total).

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. K. D. Feintuch Project Manager U.S. Nuclear Regulatory Commission One White Flint North, Mail Stop O8-H4A 11555 Rockville Pike Rockville, MD 20852-2738

NRC Senior Resident Inspector Kewaunee Power Station

### 2011 INSERVICE INSPECTION SUMMARY REPORT

# SUMMARY OF RELEVANT CONDITIONS AND DISPOSITION

**KEWAUNEE POWER STATION DOMINION ENERGY KEWAUNEE, INC.** 

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Type or Location of Relevant Conditions	Examination Method	No. of Relevant Conditions (Description)
<ol> <li>Valve Bonnet Bolting, Reactor Coolant Pump Bolting and Flange Bolting</li> </ol>	Visual (VT-1, VT-3)	5 (Items)
2. System Leakage Pressure Tests	Visual (VT-2)	17 (Items)

#### SUMMARY OF RELEVANT CONDITIONS AND DISPOSITION

Dispositioning of Class 1, Class 2, and Class 3 relevant conditions 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. Dispositioning of Class MC relevant conditions has been completed in accordance with the rules of ASME Boiler and Pressure Vessel Code Section XI, 2001 Edition, 2003 Addenda for Second Ten-Year Interval examinations. Applicable codes, standards, and engineering criteria were used to disposition indications associated with the non-code-required examinations. Relevant conditions for Class 1, Class 2, Class 3, and Class MC components have been summarized with disposition as noted below:

- Visual (VT-1, VT-3) relevant conditions recorded on valve bonnet bolting (two valves), reactor coolant pump bolting (main flange and No. 1 seal housing bolting), flange bolting (one flange) were (1) evaluated and accepted, or (2) corrected, reexamined, and accepted by Kewaunee Power Station (KPS) Engineering or Inservice Inspection (ISI) personnel. All dispositioned relevant conditions were reviewed by the Authorized Nuclear Inservice Inspector.
- Visual (VT-2) relevant conditions recorded during system leakage pressure tests (17 items) were evaluated and accepted by KPS Engineering or ISI personnel. All dispositioned relevant conditions were reviewed by the Authorized Nuclear Inservice Inspector.

2011 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 4TH INTERVAL: 3RD PERIOD: 1ST OUTAGE 2011 EXAMINATION SUMMARY

#### INTRODUCTION

An Inservice Inspection (ISI) Program (Scheduled and Augmented) was performed at the Kewaunee Power Station from November 17, 2010 through February 25, 2011 (Non Refueling Outage) and from February 26, 2011 through March 26, 2011 (Closing of G1 following Refueling Outage) by Kewaunee Power Station, Lambert, MacGill, and Thomas, Inc.(LMT Inc.) and ITLS examination personnel.

Examinations were performed to satisfy the requirements of:

- ASME Boiler and Pressure Vessel Code Section XI 1998 Edition 2000 Addenda
- Westinghouse NASL-06-8: Pressurizer Heater Sleeve Cracking

The Inservice Inspection Program Plan and Augmented Inspection Program Plan located under Tab C were prepared by Kewaunee Power Station for the 4th Interval: 3rd Period: 1st Outage as identified in the Kewaunee Power Station Fourth 10-Year Inservice Inspection (ISI) Program 2004 – 2014. Examinations during this Refueling Outage were performed to commence 4th Interval; 3rd Period 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 Closure Head Bare Metal
- Reactor Vessel Closure Head Control Rod Drive Mechanisms
- Reactor Vessel Closure Head Studs, Nuts and Washers
- Reactor Vessel Bottom Mounted Instrumentation
- Steam Generator Nozzle Inner Radius
- Steam Generator Nozzle to Safe End Welds
- Pressurizer Nozzle Inner Radius and Pressurizer Heater Penetrations
- Reactor Coolant Pump Main Flange Bolting and No. 1 Seal Housing Bolting
- Class 1, Class 2 and Class 3 Piping and Component Supports and Hangers
- Class 1 Valves
- Class 1 and Class 2 Steam Generator Primary Manway Bolting, Pressurizer Manway Bolting, Flange Bolting and Valve Bonnet Bolting

- Class 2 Preservice of Auxiliary Feedwater Piping and Supports
- Class 2 Preservice of Containment Spray Piping and Supports
- Class 2 Safety Injection Pumps Integrally Welded Attachments
- 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: Nuclear Regulatory Commission and Hartford Steam Boiler Inspection and Insurance Company of CT.

# RESULTS

Examinations resulted with the following Relevant Conditions being noted on the basis of procedure recording criteria.

Relevant Conditions detected during the 2011 Refueling Outage are listed in Table 1 with a brief summary following. Specific data relative to all Relevant Conditions and their dispositions by either corrective measures or acceptance by ASME Boiler and Pressure Vessel Code Section XI 1998 Edition 2000 Addenda Acceptance Criteria or Evaluation are located in Tab F of the Final Report.

#### **TABLE 1**

TYPE OR LOCATION OF <u>RELEVANT CONDITIONS</u>	<b>METHOD</b>	NO. OF RELEVANT <u>CONDITIONS</u>
<ul> <li>Valve Bonnet Bolting, Reactor Coolant Pump Bolting and Flange Bolting</li> </ul>	Visual (VT-1, VT-3)	5 Items
• System Leakage Pressure Tests	Visual (VT-2)	17 Items

- Visual (VT-1,VT-3) Relevant Conditions recorded on Valve Bonnet Bolting (2 Valves), Reactor Coolant Pump Bolting (Main Flange and No. 1 Seal Housing Bolting) and Flange Bolting (1 Flange) were: (1) Evaluated and Accepted or (2) Corrected, Reexamined and Accepted by: Kewaunee Power Station Engineering or Inservice Inspection Personnel and reviewed by the Authorized Nuclear Inservice Inspector.
- Visual (VT-2) Relevant Conditions recorded during System Leakage Pressure Tests (17 Items) were: (1) Evaluated and Accepted by: Kewaunee Power Station Engineering or Inservice Inspection Personnel and reviewed by the Authorized Nuclear Inservice Inspector.

#### **SUMMARY**

An Inservice Inspection Program was performed at the Kewaunee Power Station from November 17, 2010 through February 25, 2011 (Non Refueling Outage) and from February 26, 2011 through March 26, 2011 (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 commence examinations for the 4th Interval; 3rd Period. A total of 22 Relevant Conditions were detected. All Relevant Conditions were corrected or accepted by ASME Boiler and Pressure Vessel Code Section XI 1998 Edition 2000 Addenda Acceptance Criteria or Evaluation requirements.

Phillip C. Bukes April 6, 2011 Phillip E. Bukes Date

Phillip É. Bukes Dat Engineering Programs Inservice Inspection Program Owner

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# 2011 INSERVICE INSPECTION SUMMARY REPORT

#### EXAMINATION SUMMARY CLASS MC INSERVICE INSPECTION PROGRAM SECOND TEN-YEAR INTERVAL

**KEWAUNEE POWER STATION DOMINION ENERGY KEWAUNEE, INC.** 

#### KEWAUNEE POWER STATION 2ND INTERVAL: 2ND PERIOD: 1ST OUTAGE 2011 EXAMINATION SUMMARY

#### **INTRODUCTION**

An Inservice Inspection (ISI) Program for the Class MC Reactor Building Containment Vessel was performed at the Kewaunee Power Station from February 26, 2011 through March 26, 2011 (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 2001 Edition 2003 Addenda

The Inservice Inspection Program Plan located under Tab C was prepared by Kewaunee Power Station for the 2nd Interval; 2nd Period; 1st Outage as identified in the Kewaunee Power Station Second 10-Year Inservice Inspection (ISI) Program 2006-2016. Examinations during this Refueling Outage were performed to commence the 2nd Interval, 2nd Period examination requirements of ASME Boiler and Pressure Vessel Code Section XI 2001 Edition 2003 Addenda and Kewaunee Power Station Second 10-Year Inservice Inspection (ISI) Program 2006-2016.

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

- Accessible Surface Areas
- Moisture Barriers
- Bolted Connections

#### **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 all cases the maximum amount achievable was examined.

Witnessing and surveillance of the examinations were conducted by: Hartford Steam Boiler Inspection and Insurance Company of CT.

#### RESULTS

Examinations resulted with No Relevant Conditions being noted on the basis of procedure recording criteria.

#### SUMMARY

An Inservice Inspection Program for the Class MC Reactor Building Containment Vessel was performed at the Kewaunee Power Station from February 26, 2011 through March 26, 2011 (Closing of G1 following Refueling Outage). Examinations were performed as scheduled in the Kewaunee Power Station Second 10-Year Inservice Inspection (ISI) Program 2006-2016. Examinations resulted with No Relevant Conditions being noted on the basis of procedure recording criteria.

<u> April 6, 2011</u> Date ullia C. Bukes

Phillip E. Bukes Engineering Programs Inservice Inspection Program Owner

#### 2011 INSERVICE INSPECTION SUMMARY REPORT

#### EXAMINATION SUMMARY STEAM GENERATOR TUBING EDDY CURRENT EXAMINATIONS

**KEWAUNEE POWER STATION DOMINION ENERGY KEWAUNEE, INC.** 

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

During the Spring 2011 KPS refueling outage, a steam generator inspection in accordance with KPS Technical Specification 5.5.7 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 (+/- 3") utilizing Rotating Coil
- 20% Row 1 u-bend region utilizing Rotating Coil
- Special Interest 60 locations / SG
- As Found Bowl Scans
- Divider Plate Visual Inspection
- FME Bowl Closeouts

No active degradation mechanisms were discovered during the Spring 2011 inspection.

No tubes required plugging or in situ pressure testing during the Spring 2011 inspection.

To date, following the Spring 2011 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 fall 2006 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 fall 2006 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.

<u>Michael J. Backus</u> Michael J. Backus <u>4/13/2011</u> Date

**Engineering Programs** Steam Generator Program Owner

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2011 INSERVICE INSPECTION SUMMARY REPORT

SUMMARY OF EXAMINATIONS THAT WERE LIMITED BY GEOMETRIC, METALLURGICAL, OR DESIGN/ACCESS RESTRICTIONS (30 TOTAL)

> KEWAUNEE POWER STATION DOMINION ENERGY KEWAUNEE, INC.

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### 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
2011	Replacement Steam Generator 1A Nozzle Inside Radius Section SG-IR27	UT	6.3% Integrally Welded Attachment
2011	Replacement Steam Generator 1A Nozzle Inside Radius Section SG-IR28	UT	6.3% Integrally Welded Attachment
2011	Circumferential Pipe Weld AFW-W201 on 3" Auxiliary Feedwater	UT	25% Pipe To Valve Weld Configuration
2011	Circumferential Pipe Weld AFW-W202 on 3" Auxiliary Feedwater	UT	25% Valve To Pipe Weld Configuration
2011	Circumferential Pipe Weld AFW-W205 on 3" Auxiliary Feedwater	UT	25% Pipe To Valve Weld Configuration
2011	Circumferential Pipe Weld AFW-W206 on 3" Auxiliary Feedwater	UT	25% Valve To Pipe Weld Configuration
2011	Circumferential Pipe Weld AFW-W214 on 3" Auxiliary Feedwater	UT	25% Pipe To Valve Weld Configuration
2011	Circumferential Pipe Weld AFW-W215 on 3" Auxiliary Feedwater	UT	25% Valve To Elbow Weld Configuration
2011	Circumferential Pipe Weld AFW-W218 on 3" Auxiliary Feedwater	UT	25% Pipe To Valve Weld Configuration
2011	Circumferential Pipe Weld AFW-W219 on 3" Auxiliary Feedwater	UT	25% Valve To Elbow Weld Configuration

Year	Component Identification	Method of Examination	% Recorded as Not Examined and Limitation
2011	Circumferential Pipe Weld AFW-W221 on 3" Auxiliary Feedwater	UT	0%. Valve to Valve Weld Configuration.
2011	Circumferential Pipe Weld AFW-W222 on 3" Auxiliary Feedwater	UT	25% Valve To Pipe Weld Configuration
2011	Circumferential Pipe Weld AFW-W233 on 3" Auxiliary Feedwater	UT	25% Pipe To Valve Weld Configuration
2011	Circumferential Pipe Weld AFW-W234 on 3" Auxiliary Feedwater	UT	25% Valve To Pipe Weld Configuration.
2011	Circumferential Pipe Weld PR-W8 on 3" Reactor Coolant	UT	50% Tee to Pipe Weld Configuration
2011	Circumferential Pipe Weld ICS-W183 on 6" Containment Spray	UT	50% Pipe to Valve Weld Configuration
2011	Circumferential Pipe Weld ICS-W184 on 6" Containment Spray	UT	50% Pipe to Valve Weld Configuration
2011	Circumferential Pipe Weld ICS-W185 on 6" Containment Spray	UT	50% Pipe to Valve Weld Configuration
2011	Circumferential Pipe Weld ICS-W186 on 6" Containment Spray	UT	50% Pipe to Valve Weld Configuration
2011	Circumferential Pipe Weld ICS-W189 on 6" Containment Spray	UT	50% Pipe to Valve Weld Configuration
2011	Circumferential Pipe Weld ICS-W190 on 6" Containment Spray	UT	50% Pipe to Valve Weld Configuration

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Year	Component Identification	Method of Examination	% Recorded as Not Examined and Limitation
2011	Circumferential Pipe Weld ICS-W191 on 6" Containment Spray	UT	50% Pipe to Valve Weld Configuration
2011	Circumferential Pipe Weld ICS-W192 on 6" Containment Spray	UT	50% Pipe to Valve Weld Configuration
2011	Circumferential Pipe Weld FW-W24 on 16" Feedwater	UT	8% Pipe to Valve Weld Configuration
2011	Circumferential Pipe Weld RTD-W81 on 3" Reactor Coolant	UT	50% Pipe to Flange Weld Configuration
2011	Circumferential Pipe Weld RTD-W83 on 3" Reactor Coolant	UT	50% Pipe to Valve Weld Configuration
2011	Circumferential Branch Connection RC-W3BC on 8" Reactor Coolant	UT	50% Branch Connection Weld Configuration
2011	Nozzle To Safe End Weld RC-W78DM on Steam Generator 1B Hot Leg	UT	4.5% 4 – 4.5" x 3.5" Welded Lugs and Nozzle to Safe End Weld Configuration
2011	Nozzle To Safe End Weld RC-W79DM on Steam Generator 1B Crossover Leg	UT	4.2% 4 – 4.5" x 3.5" Welded Lugs and Nozzle to Safe End Weld Configuration
2011	Circumferential Branch Connection RC-W34BC on 8" Reactor Coolant	UT	50% Branch Connection Weld Configuration

2011 INSERVICE INSPECTION SUMMARY REPORT

#### FORM OAR-1 OWNER'S ACTIVITY REPORT

# TABLE 1 ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE

# TABLE 2 ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE

#### **KEWAUNEE POWER STATION DOMINION ENERGY KEWAUNEE, INC.**



# Form OAR-1 Owner's Activity Report

Report Number: 2011 Refueling Outage Class 1, Class 2 and Class 3
PlantKewaunee Power Station, N490 Highway 42, Kewaunee, Wisconsin 54216-9511
Unit No. <u>No.1</u> Commercial service date <u>June 16, 1974</u> Refueling outage no. <u>K1R31</u> (if applicable)
Current inspection interval4th
Current inspection period <u>3rd</u> (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> )
Edition and Addenda of Section XI applicable to the inspection plans <u>1998 Edition 2000 Addenda</u>
Date and revision of inspection plans <u>September 14, 2010 Revision 4</u>
Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans
Not Applicable
Code Cases used: <u>N-460, N-532-4 and N-566-2</u> (if applicable)
CERTIFICATE OF CONFORMANCE
I 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) the repair/replacement activities and evaluations supporting the completion of <u>KR31</u> conform to the requirements of Section XI. (refueling outage number)
Signed <u>Phillips &amp; Bukes I noervice Inspection Insgram Owner</u> Date <u>april 28,2011</u> 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 <u>UISCONSIN</u> and employed by <u>HSBCT</u> of <u>CONNECTICUT</u> have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report.
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.
Linspector's Signature Commissions NB/1622ABIN, W110013/
Date 28 APRIL //



Report Number: 2011 Refueling Outage Class MC

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Plant <u>Kewaunee Power Station, N490 Highway 42, Kewaunee, Wisconsin 54216-9511</u>
Unit No. <u>No.1</u> Commercial service date <u>June 16, 1974</u> Refueling outage no. <u>K1R31</u> (if applicable)
Current inspection interval2nd (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> , other)
Current inspection period 2nd (1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> )
Edition and Addenda of Section XI applicable to the inspection plans <u>2001 Edition 2003 Addenda</u>
Date and revision of inspection plans <u>March 9, 2009 Revision 3</u>
Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans
Not Applicable
Code Cases used: <u>Not Applicable</u> (if applicable)
CERTIFICATE OF CONFORMANCE I 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) the repair/replacement activities and evaluations supporting the completion of <u>KR31</u> conform to the requirements of Section XI. (refueling outage number) Signed <u>Phillips C. Bukas Inservice Inspection Program Owner</u> Date <u>April 6,2011</u> 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

# Kewaunee Power Station Table 1 - 4th Interval: 3rd Period: 1st Outage - KR31 Items With Flaws or Relevant Conditions That Required Evaluation For Continued Service

Examination Category	Item Number	Item Description	Evaluation Decsription
B-G-2	B7.60	REACTOR COOLANT PUMP 1A MAIN FLANGE BOLTING. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
B-G-2	B7.70	3" VALVE PS-1B. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTED PER ENGINEERING EVALUATION.
B-P	B15.70	6" VALVE SI-302B. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
B-P	B15.70	0.75" VALVE PR-51. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
B-P	B15.70	6" VALVE SI-303B. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
B-P	B15.70	0.375" VALVE RC-440-3. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
B-P	B15.70	0.375" VALVE RC-402. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
B-P	B15.70	0.375" VALVE LD-332. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
С-Н	C7.10	8" VALVE RHR-6B. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
С-Н	C7.10	SAFETY INJECTION PUMP 1A. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
С-Н	C7.10	6" FLANGE FE-928. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
С-Н	C7.10	8" FLANGE FE-27136. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
С-Н	C7.10	8" VALVE RHR-100A. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2
С-Н	C7.10	8" VALVE RHR-10B. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
С-Н	C7.10	8" VALVE RHR-7A. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
С-н	C7.10	8" VALVE RHR-7B. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
С-Н	C7.10	8" VALVE RHR-8B. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
С-Н	C7.10	1/2" VALVE SI-39A-2. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALUATION.
С-Н	C7.10	4" VALVE SI-7A. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ENGINEERING EVALAUTION.
С-Н	C7.10	3" FLANGE FE-924. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
С-Н	C7.10	6" VALVE ICS-7A. EVIDENCE OF COOLANT LEAKAGE.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
D-B	D2.10	6" VALVE SW-1500 LIGHT BROWN BORIC ACID ON VALVE BODY TO VALVE BONNET INTERFACE. RECORDED 2ND PERIOD.	ACCEPTABLE PER ASME SECTION XI CODE CASE N-566-2.
NA	NA	14" VALVE SW-1A1 DEGRADATION ON VALVE BONNET STUDS.	ACCEPTABLE PER ENGINEERING EVALUATION.

# Kewaunee Power Station Table 2 - 4th Interval: 3rd Period: 1st Outage - KR31 Abstract of Repair/Replacement Activities Required For Continued Service

Code Class	Item Description	Description of Work	Date Complete	Repair / Replacement Plan Number
1	0.375" VALVE RC-402	CORRECTED DUE TO EVIDENCE OF COOLANT LEAKAGE.	03/21/2011	F100
2	RSI-H100	REPAIRED HYDRAULIC SNUBBER RSI-H100 DUE TO OIL LEAKAGE.	03/29/2011	KW100584482
2	FDW-H236	CORRECT BY INSTALLING JAM NUT.	03/24/2011	KW100773136
2	SAFETY INJECTION PUMP 1A	REPAIRED LINEAR INDICATIONS ON SAFETY INJECTION PUMP 1A INTERIOR CASING CLADDING.	03/24/2011	KW100276680
3	SW-1A1	REPLACED 12 VALVE FLANGE STUDS ON 14" VALVE SW-1A1.	11/06/2009	KW100452502
3	SW-1A2	INSTALLED REPLACEMENT VALVE SW-1A2 AND 12 VALVE FLANGE REPLACEMENT STUDS ON 14" VALVE SW-1A2.	11/20/2009	KW100452503

#### 2011 INSERVICE INSPECTION SUMMARY REPORT

#### 2008 AND 2009 INSERVICE SUMMARY REPORTS ADDITIONAL "FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY" (5 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

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1. Owner : _	Dominio	n Energy-Kewau Name	inee	Date :	May 9, 2	2008	-
N490 High	way 42, Kewau	nee Wisconsin 5	4216-9511	Sheet :	<u>1</u> of _	2	
2. Plant :	Kewau	nee Power Stati	on	Unit :	No. 1		
N490 High	iway 42, Kewaur Addre	Name nee Wisconsin 54 ess	4216-9511	Work Or	der Number	: <u>KW07-00</u>	)4148
3. Work perform	ned by :Do	minion Energy-K	iewaunee	Type Co	de Symbol S	Stamp No	ot Applicable
		Name		Authoriz	ation No.	Not A	pplicable
N490 High	way 42, Kewaur	nee Wisconsin 54	4216-9511	Expiratio	n Date	Not App	plicable
	Adult	200					
4. Identification	of System : 2	3 Class 2 Contai	nment Spray Sys	tem			
5. (a) Applicable	e Construction Coo	de : 1967 AS	ME B31.1				
(b) Applicable	e Edition of Sectio	n XI used for Rep	air/Replacement A	ctivity : 1998	Edition 200	00 Addenda	
(c) Applicable	e Section XI Code	Case : NA					
6. Identification	of Components						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
ICS-H9	Lake Engineering Co.	1371	NA	NA	2007	Installed	No
ICS-H9 7. Description o due to mainter	Lake Engineering Co. f Work <u>Instal</u> nance activity.	1371 I replacement Cl	NA ass 2 Containme	NA nt Spray System	2007 6" Piping	Installed Hydraulic Snub	No ber ICS-H9
ICS-H9 7. Description o due to mainter	Lake Engineering Co. f Work <u>Instal</u> nance activity.	1371 I replacement Cl	NA ass 2 Containme	NA nt Spray System	2007 6" Piping	Installed Hydraulic Snub	No ber ICS-H9
ICS-H9 7. Description o due to mainter 8. Tests Conduc	Lake Engineering Co. f Work <u>Instal</u> nance activity.	1371 I replacement Cl ostatic	NA ass 2 Containme Pneumatic	NA nt Spray System Nominal Operat	2007	Installed Hydraulic Snub	No ber ICS-H9 Exempt
ICS-H9 7. Description o due to mainter 8. Tests Conduc	Lake Engineering Co. f Work <u>Instal</u> nance activity. tted : Hydr	1371 I replacement Cl ostatic Pressure	NA ass 2 Containme Pneumatic and psi	NA nt Spray System Nominal Operat Test Temp	2007 a 6" Piping ting Pressur N	Installed Hydraulic Snub e	No ber ICS-H9 Exempt
ICS-H9 7. Description o due to mainter 8. Tests Conduc	Lake Engineering Co. f Work <u>Instal</u> nance activity. ted : Hydr Other Not Applicable	1371 I replacement Cl ostatic	NA ass 2 Containme Pneumatic a	NA nt Spray System Nominal Operat Test Temp	2007 6" Piping ting Pressur N	Installed Hydraulic Snub e	No ber ICS-H9 Exempt
ICS-H9 7. Description o due to mainter 8. Tests Conduc 9. Remarks:	Lake Engineering Co. f Work <u>Instal</u> nance activity. tted : Hydr Other Not Applicable	1371  I replacement Cl  rostatic  Pressure  Applicable f	NA ass 2 Containme Pneumatic Pneumatic NA psi Manufacturer's Data F	NA nt Spray System Nominal Operat Test Temp	2007 a 6" Piping ting Pressur N/	Installed Hydraulic Snub e	No
ICS-H9 7. Description o due to maintee 8. Tests Conduc 9. Remarks:	Lake Engineering Co. f Work <u>Instal</u> nance activity. tted : Hydr Other Not Applicable	1371 I replacement Cl ostatic Pressure Applicable M	NA ass 2 Containme Pneumatic Pneumatic NA psi Manufacturer's Data R	NA nt Spray System Nominal Operat Test Temp	2007 a 6" Piping ting Pressur N/	Installed Hydraulic Snub e	No ber ICS-H9 Exempt

FORM NIS-2 (Back) Sheet 2 of 2

Date : May 9, 2008

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Name of Component : ICS-H9

Work Order Number : KW07-004148

	CERTIFICATE OF COMPLIANCE	
I certify that the statement the ASME Code, Section >	ts made in this report are correct and that this conforms	s to the requirements of
Type Code Symbol Stamp	Not Applicable	
Certificate of Authorizatio	No. Not Applicable Expiration Date N	lot Applicable
Signed Phillip E. Bu	Res Indure Inspiction Program Currer Date Owner's Designee, Title	July 29,2010

and the	State or Province	of WISCONSIN	/	_ and en	nployed by	HSB CT	
of _	MARIFORD	CONNECTICUT			have insp	pected the compone	nts described
in this O	wner's Report du	ring the period	27000	-06	to	9 MAY 08	, and state that
described By implied, Furthern	a in this Owner's y signing this cert concerning the e nore, neither the 1	Report in accordar ificate neither the examinations, tests Inspector nor his e	Ince with the Inspector no , and correct employer sha	requiren or his en tive mea all be liat	nents of the ployer mak sures descr ple in any m	e ASME Code, Section tes any warranty, exp ibed in this Owner's panner for any person	n XI. pressed or Report. nal injury or
described By Implied, Furtherm property	a in this Owner's y signing this cert concerning the e nore, neither the i damage or a loss	Report in accordar ificate neither the examinations, tests Inspector nor his e s of any kind arisin	nce with the Inspector no , and correct employer sha og from or co	requiren or his en tive mea all be liat onnected	nents of the aployer mak isures descr ole in any m with this in	ASME Code, Section tes any warranty, exp ibed in this Owner's lanner for any person ispection	n XI. pressed or Report. nal injury or

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

<u>N490 High</u> 2. Plant : <u>N490 High</u>	Dominio way 42, Kewaur Addre Kewau way 42, Kewaur Addre	n Energy-Kewau Name nee Wisconsin 5 ess nee Power Stati Name nee Wisconsin 5 ess	nee 4216-9511 on 4216-9511	Date : Sheet : Unit : Work Ore	<u>May 9, 20</u> <u>1</u> of <u>2</u> <u>No. 1</u> der Number :	08  - <u>KW07-00</u>	)4148
3. Work perform	ned by : Dor	minion Energy-K	ewaunee	Туре Сос	le Symbol Sta	imp No	ot Applicable
		Name		Authoriza	ation No.	Not A	pplicable
N490 High	way 42, Kewaur	ee Wisconsin 54	4216-9511	Expiratio	n Date	Not Ap	plicable
<ol> <li>Identification</li> <li>(a) Applicable</li> <li>(b) Applicable</li> <li>(c) Applicable</li> <li>Identification</li> </ol>	of System : 3 Construction Coc Edition of Section Section XI Code of Components	6 Class 1 Reacto le : 1967 AS n XI used for Rep Case : NA	or Coolant System ME B31.1 air/Replacement A	n ctivity : 1998	Edition 2000	Addenda	
Name of	Name of	Manufacturer Serial No.	National Board No.	Other Identification	Year F Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Component	Manufacturer						
Component RTD-H11	Manufacturer Lake Engineering Co.	1378	NA	NA	2007	Installed	No
Component RTD-H11 7. Description of due to mainter	Manufacturer Lake Engineering Co.	1378	NA ass 1 Reactor Co	NA polant System 2"	2007 Piping Hydra	Installed aulic Snubber	No RTD-H11
Component RTD-H11 7. Description of due to mainter 8. Tests Conduct	Manufacturer Lake Engineering Co.	1378 replacement Cl ostatic Pressure	NA ass 1 Reactor Co Pneumatic	NA polant System 2" Nominal Operat Test Temp	2007 Piping Hydra ing Pressure NA	Installed	No RTD-H11 Exempt
Component RTD-H11 7. Description of due to mainter 8. Tests Conduct 9. Remarks:	<u>Manufacturer</u> Lake Engineering Co. Work <u>Instal</u> hance activity. ted : Hydr Other Not Applicable	1378  replacement Cl ostatic Pressure Applicable I	NA ass 1 Reactor Co Pneumatic	NA polant System 2" Nominal Operat Test Temp	2007 Piping Hydra ing Pressure NA	Installed	No • RTD-H11 Exempt

#### FORM NIS-2 (Back) Sheet 2 of 2

Date : May 9, 2008

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Name of Component : RTD-H11

Work Order Number : KW07-004148

CERTIFICATE OF COMPLIANCE
I certify that the statements made in this report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol Stamp Not Applicable
Certificate of Authorization No. Not Applicable Expiration Date Not Applicable
Signed Phillip C. Buffes Inserver Inspiction Program Owner Date July 29, 2010 Owner or Owner's Designee, Title

and the	State or Province	of wiscow	and er	nployed by	a of Boller and Pressu	
of _	HARTFORD	CONNECTIC	<i>у</i> г	have ins	spected the componer	nts described
in this O	wner's Report du	ring the period	2700706	to	9 MAY08	, and state that
Furthern	nore, neither the l	Inspector nor his	s employer shall be liat	ble in any r	nanner for any persor	nal injury or
property	damage or a loss	s of any kind aris	ing from or connected	with this i	nspection	
property	aner un ien	s of any kind aris	ing from or connected Commissions	with this i <b>NB116</b>	nspection ZZ.AGIN, WI (DO)3	1

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

1. Owner :	Dominio	n Energy-Kewau	inee	Date :	October 2	22, 2009	_
N490 High	1way 42, Kewaur	nee Wisconsin 5	4216-9511	Sheet :	<u>1</u> of <u>2</u>	2	
2. Plant :	Kewau	nee Power Stati	on	Unit :	No. 1	_	
N490 High	nway 42, Kewaur Addre	Name Nee Wisconsin 5 S	4216-9511	Work Or	der Number :	KW1002	77696
3. Work perforr	ned by : Dor	ninion Enerav-k	(ewaunee	Type Co	le Symbol St	amp No	ot Applicable
		Name		Authoriz	ation No.	 Not A	pplicable
N490 High	way 42, Kewaun	ee Wisconsin 5 <sup>.</sup>	4216-9511	Expiratio	n Date	Not Ap	plicable
	Addre	SS			-	<u>`</u>	· <u> </u>
4. Identification	of System : 3	6 Class 1 Reacto	or Coolant System	n			
5. (a) Applicable	e Construction Cod	le : 1967 AS	ME B31.1				
(b) Applicabl	e Edition of Section	n XI used for Rep	air/Replacement A	ctivity : 1998	Edition 2000	0 Addenda	
(c) Applicable	e Section XI Code	Case : NA					
6. Identification	of Components						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RTD-H2	Lake Engineering Co.	36988	NA	NA	2009	Installed	No
7. Description o to maintenance	f Work <u>Install</u> activity.	replacement C	ass 1 reactor Co	olant System 2"	Piping Hydr	aulic Snubber	RTD-H2 due
8. Tests Conduc	ted : Hydr	ostatic	Pneumatic	Nominal Operat	ing Pressure		Exempt
	Other	Pressur	e <u>NA</u> psi	Test Temp	NA	_ °F	
9. Remarks: _	Not Applicable	Applicable I	Manufacturer's Data F	Reports to be attach	ed		
						<u>_</u>	

FORM NIS-2 (Back) Sheet 2 of 2

Date : October 22, 2009

Name of Component : RTD-H2

Work Order Number : KW100277696

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	CERTIFICATE	OF COMPLIAN	NCE	
I certify that the statements r the ASME Code, Section XI	ade in this report are co	prrect and that this co	onforms to the requirements of	
Type Code Symbol Stamp	Not Applicable			
Certificate of Authorization No	Not Applicable	Expiration Date	Not Applicable	
Signed Signe	<u>pervice Inspictuery</u> per's Designee, Title	nogrom Owner	Date July 29, 2010	

and I	the State or Province of	ission issued by the Nat	ational Board of Boiler and Pressure Vessel Insp employed by <b>143B cT</b>	ectors
of	HARTFORD CONNECTICU	7	have inspected the components described	
in thi	is Owner's Report during the period	GMAY 08	to <b>ZZOCTOBETE 09</b> , and state	e that
Furth	hermore, neither the Inspector nor hi erty damage or a loss of any kind ari	s employer shall be liab sing from or connected	ble in any manner for any personal injury or d with this inspection	
		<b>.</b>	ALQUEST AQUAL INCOMISI	
$\leq$	- / anes cer ( cemery	Commissions	NONOCEMBIN, WINCISI	

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

1. Owner :	Dominio	n Energy-Kewau	nee	Date :	Octobe	r 22, 2009	-
N490 High	iway 42, Kewaur	Name Name Wisconsin 54	1216-9511	Sheet :	<u>1</u> of	2	
2. Plant :	Kewau	nee Power Statio	on	Unit :	No. 1		
N490 High	iway 42, Kewaur	Name Nee Wisconsin 54	216-9511	Work Or	der Numbe	r: <u>KW1002</u>	77696
3. Work perform	ned by : Dor	ninion Energy-K	ewaunee	Type Co	de Symbol :	Stamp N	ot Applicable
,		Name		Authoriz	ation No.	Not A	pplicable
N490 High	way 42, Kewaur	ee Wisconsin 54	216-9511	Expiratio	n Date	Not Ap	plicable
	Addre	SS					
4. Identification	of System : 3	5 Class 1 Chemi	cal and Volume	Control System			
5. (a) Applicable	e Construction Coc	le : 1967 AS	ME B31.1				
(b) Applicable	e Edition of Sectio	n XI used for Repa	air/Replacement A	ctivity : 1998	Edition 20	00 Addenda	
(c) Applicable	e Section XI Code	Case : NA					
6. Identification	of Components						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RCVC-H36	Lake Engineering Co.	36991	NA	NA	2009	Installed	No
7. Description o	f Work Instal	replacement Cl	ass 1 Chemical a	and Volume Cont	rol Systen	n 2" Piping Hyd	raulic
Snubber RCVC	C-H36 due to ma	ntenance activit	у		<u> </u>		
8. Tests Conduc	ted : Hydr Other	ostatic	Pneumatic	Nominal Opera Test Temp	ting Pressu	re	Exempt
9. Remarks:	Not Applicable	Applicable N	1anufacturer's Data	Reports to be attach	ed		
							· · · · · · · · · · · · · · · · · · ·

#### FORM NIS-2 (Back) Sheet 2 of 2

Date : October 22, 2009

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Name of Component : RCVC-H36

Work Order Number : KW100277696

CERTIFICATE OF COMPLIANCE
I certify that the statements made in this report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol Stamp Not Applicable
Certificate of Authorization No. Not Applicable Expiration Date Not Applicable
Signed Phillip C. Buken Inservice Inspirition Program Owner Date July 29, 2010 Owner or Owner's Designee, Title

and the	State or Province of	valid commissi valscopus,	ion issued by the Nat and err	ional Boa iployed b	rd of Boiler and Pressure \ y <b>ハチら c</b> 「	essel Inspectors
of	MARTFORD C	ONNECTICU	 	have in	spected the components of	lescribed
in this C	Owner's Report during	the period	G MAY 08	to	22 OCTOBER 09	, and state that
Further	more, neither the Insp y damage or a loss of	ector nor his e any kind arisin	g from or connected	e in any with this	manner for any personal in inspection	njury or
	) ane uN ien	nesy	Commissions	NBI	bzz ABIN, WI CODIS	/
$ \rightarrow $						

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

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1. Owner :	Dominio	n Energy-Kewau	inee	Date :	Octobe	r 22, 2009	-
N490 High	way 42, Kewaur	nee Wisconsin 5	4216-9511	Sheet :	<u>1</u> of	2	
2. Plant :	Kewau	nee Power Stati	on	Unit :	No. 1	<u>.</u>	
N490 High	way 42, Kewaur	nee Wisconsin 5	4216-9511	Work Or	der Numbe	er: <u>KW1002</u>	77696
	Addre	:55					
3. Work perform	ned by : Doi	ninion Energy-K	iewaunee	Туре Со	de Symbol	Stamp No	ot Applicable
	10.14	Name		Authoriz	ation No.	Not A	pplicable
N490 High	way 42, Kewaur	iee Wisconsin 5	4216-9511	Expiratio	on Date	Not Ap	plicable
4. Identification	of System : 3	3 Class 2 Safety	Injection System	n			
				n			
5. (a) Applicable	e Construction Coo	le: 1967 AS	ME B31.1				
(b) Applicable	e Edition of Sectio	n XI used for Rep	air/Replacement A	ctivity: 1998	Edition 20	00 Addenda	
(c) Applicable	e Section XI Code	Case : NA					
6. Identification	of Components						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RSI-H98	Lake Engineering Co.	36987	NA	NA	2009	Installed	No
7. Description or due to mainter	f Work <u>Instal</u> nance activity.	replacement C	ass 2 Safety Inje	ection System 2"	Piping Hy	draulic Snubber	RSI-H98
8. Tests Conduc	ted : Hydr	ostatic	Pneumatic	Nominal Opera	ting Pressu	re	Exempt
	Other	Pressure	e <u>NA</u> psi	Test Temp	N	<mark>IA_</mark> ⁰F	
9. Remarks:	Not Applicable	Applicable	Apple Factor Data	Doporte to bo other	od		
. <u></u>			manuracturer's Data I	Reports to be attach			<u></u>
					-		
<u></u>	<u></u>						

#### FORM NIS-2 (Back) Sheet 2 of 2

Date : October 22, 2009

Name of Component : RSI-H98

Work Order Number : KW100277696

С	ERTIFICATE	OF COMPLIAN	NCE	
ertify that the statements made a ASME Code, Section XI	in this report are cor	rect and that this co	nforms to	the requirements of
pe Code Symbol Stamp Not A	pplicable			
rtificate of Authorization No.	Not Applicable	_ Expiration Date	Not /	Applicable
ned <i>Phillip C. Bukes Inserv</i> Owner or Owner's I	Designee, fitte	rogram, Owner	Date	July 29,2010
' Owner or Owner's I	Designee, <b>f</b> itle	¥		16

and the	e State or Province of	WISCONSI	and en	nployed by	A of bolief and ressure vessel inspectors
of	HARTFORD	CONNECTICL	T	have in	spected the components described
in this	Owner's Report during	the period	6 MAY 08	- to	22 OCTOBETR 09, and state that
Further	more, neither the Insp	ector nor his e	nployer shall be liab	ole in any r	nanner for any personal injury or
Further	more, neither the Insp y damage or a loss of	ector nor his er any kind arising	nployer shall be liab from or connected	ble in any r with this i	nanner for any personal injury or nspection
Further	more, neither the Insp y damage or a loss of ane ( ) Kimer	ector nor his er any kind arising	ployer shall be liab from or connected	with this i	nanner for any personal injury or nspection