

September 9, 2010

ULNRC-05729

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Ladies and Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
OWNER'S ACTIVITY REPORTS  
(OAR-1 FORMS) FOR REFUEL 17**



Attached for submittal are Owner's Activity Reports (OAR-1 forms) for Refuel 17 at Callaway Plant. The reports are submitted pursuant to the provisions of ASME Boiler and Pressure Vessel Code Case N-532-4, "Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission."

The first Form OAR-1 is for Refuel 17 Inservice Inspection and Repair/Replacement activities at Callaway Plant. The second Form OAR-1 is for Containment Inservice Inspection activities conducted at Callaway Plant during Refuel 17 pursuant to ASME Section XI, subsections IWE and IWL.

In accordance with Code Case N-532-4, each attached Form OAR-1 includes a listing of items with flaws or relevant conditions that required evaluation for continued service (Table 1) and an abstract of repair/replacement activities required for continued service (Table 2).

This letter does not contain new commitments. For any questions regarding the attached information, please contact me at 573-676-8719

Sincerely,

A handwritten signature in black ink that reads "Scott A. Maglio".

Scott A. Maglio  
Regulatory Affairs Manager

EMF

Enclosure

ULNRC-05729  
September 9, 2010  
Page 2

cc: Mr. Elmo E. Collins, Jr.  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region IV  
612 E . Lamar Blvd., Suite 400  
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Senior Resident Inspector  
Callaway Resident Office  
U.S. Nuclear Regulatory Commission  
8201 NRC Road  
Steedman, MO 65077

Mr. Mohan C. Thadani (2 copies)  
Senior Project Manager, Callaway Plant  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
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**Index and send hardcopy to QA File A160.0761**

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Ms. Linda Conklin (SCE)  
Mr. John O'Neill (Pillsbury Winthrop Shaw Pittman LLP)  
Mr. Dru Buntin (DNR)

# CALLAWAY NUCLEAR PLANT FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 17

Plant Callaway Plant, P. O. Box 620, Fulton, MO 65251

Unit No. 1 Commercial service date 12/19/1984 Refueling outage no. 17  
(if applicable)

Current inspection interval 3rd  
(1st, 2nd, 3rd, 4th, other)

Current inspection period 2nd  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 1998 Edition with 2000 Addenda

Date and revision of inspection plans 03/11/2009, Rev. 3

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans N/A

Code Cases used N-460, N-532-4, N-533-1, N-552, N-566-2, N-623, N-624, N-652, N-685, N-722, N-729-1  
(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 17  
(refueling outage number) conform to the requirements of Section XI.

Signed [Signature] 1606 ISI PROGRAM OWNER Date 9/8/10  
Owner or Owner's Designee, Title

APPROVED BY CHRISTOPHER R. KIEFER, SUPERVISOR ENGINEERING TECHNICAL PROGRAMS,  
VIA TELECON. A 1606 9/8/10

## 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 Missouri and employed by HSBCT of Hartford, CT

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. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] 96517 13411ANI MO 0445  
Inspector's Signature Commissions National Board, State, Province, and Endorsements

Date 09-08-2010

## CALLAWAY NUCLEAR PLANT

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

Examination Category and Item Number	Item Description	Evaluation Description
F-A, F1.30	Restraint, EG06R009113  Hanger, EG06C026113 EG06H010113  Snubber, EG07R028134A	CAR 201003821 found condition acceptable. Paint on spherical bearing area of strut would not provide sufficient restraint to keep the bearing from rotating. Bearing also cleaned of paint.
F-A, F1.30	Restraint, EG06R501113	CAR 201004474 found condition acceptable. Paint on sliding surface of restraint would not be sufficient to restrict movement.
F-A, F1.20	Snubber, SJ01R502134A SJ01R502134B BG01R018134A	CAR 201004169 found condition acceptable. Paint on spherical bearing area of strut would not provide sufficient restraint to keep the bearing from rotating. Bearing also cleaned of paint.
F-A, F1.20	Snubber, BM02R013232A	CAR 201004510 found acceptable. Rust on spherical bearing did not cause binding. Rust also removed from bearing.
F-A, F1.20	Snubber, BB13R521241A BG23R509231A EM02R013121A	CAR 201003611 found acceptable. Missing washers would not have prevented snubber from providing design function.

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

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
3	Line EF-031-HBC	Internal weld repair and external weld overlays on Essential Service Water supply line	4/4/2009	09002360
3	Line EF-031-HBC	Replace section of 30" B-Train Essential Service Water supply line	4/26/2010	09002547

# CALLAWAY NUCLEAR PLANT FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number 17

Plant Callaway Plant, P. O. Box 620, Fulton, MO 65251

Unit No. 1 Commercial service date 12/19/1984 Refueling outage no. 17  
(if applicable)

Current inspection interval 2<sup>nd</sup> (IWE and IWL Programs)  
(1st, 2nd, 3<sup>rd</sup>, 4th, other)

Current inspection period 1<sup>st</sup> (IWE and IWL Programs)  
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2001 Edition with 2003 Addenda (IWE and IWL Programs)

Date and revision of inspection plans IWE Program: 10/06/2009, Rev. 3,  
IWL Program: 12/15/2009, Rev. 3

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans N/A

Code Cases used N-532-4, N-685  
(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 17  
(refueling outage number) conform to the requirements of Section XI.

Signed Curtis J. Stumfeld IWE/IWL Engineer Date 9/8/10  
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 Missouri and employed by HSBCT of Hartford, CT 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. 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.

Adam M. Davis 96577 Commissions 13411 ANI MD 0445  
Inspector's Signature National Board, State, Province, and Endorsements

Date 09-08-2010

## CALLAWAY NUCLEAR PLANT

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

Examination Category and Item Number	Item Description	Evaluation Description
L-B, L2.20	Tendon Wire	CAR 201004223 found condition acceptable. Wire elongation requirements were not met during test. Design stresses are less than yield strength of wire, therefore, reduced elongation of wire will not impact the ability of the tendon to perform its design function.

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

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
None	None	None	None	None