

February 23, 2012

**ULNRC-05838** 

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 18**

Please find enclosed the Owner's Activity Reports (OAR-1 forms) for Refuel 18 activities 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 OAR-1 forms enclosed are associated with the following Refuel 18 activities at Callaway Plant:

- 1. Inservice Inspection and Repair/Replacement activities, and
- 2. Containment Inservice Inspection pursuant to ASME Section XI, subsections IWE and IWL.

In accordance with Code Case N-532-4, each attached OAR-1 form 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,

Scott A. Maglio

Regulatory Affairs Manager

ACS/nls

Enclosed: OAR-1 Forms (2)

Fulton, MO 65251

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cc: Mr. Elmo E. Collins, Jr.
Regional Administrator
U. S. Nuclear Regulatory Commission
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### Index and send hardcopy to QA File A160.0761

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

Report Number				
Plant	Callaway Plant			
Unit No.	1 Commercial service date	12/19/1984	Refueling outage no	18
Current inspection in	terval	2 <sup>nd</sup> (IWE Program) (1st, 2nd, 3rd, 4th, other)		
Current inspection pe	eriod	1 <sup>st</sup> (IWE Program) (1st, 2nd, 3rd)		
Edition and Addenda	of Section XI applicable to the inspection plan	s 2001 Edition	n with 2003 Addenda (IWE Pi	rogram)
Date and revision of	inspection plans	IWE Program: 10/06/	/2009, Rev. 3,	
Edition and Addenda	of Section XI applicable to repair/replacement	activities, if different than the	e inspection plans	N/A
Code Cases used	N-532-4, N-685	(if applicable)		
-	CERTIFICATE	OF CONFORMANCE		
I certify that (a) the				
	etatemente made in this report are correct: (h)	the evaminations and tests :	meet the Increction Dian ac	
	statements made in this report are correct; (b)			required by the
	statements made in this report are correct; (b)  XI; and (c) the repair/replacement activities a		e completion of	18 ing outage number)
ASME Code, Section			e completion of	18
ASME Code, Section	XI; and (c) the repair/replacement activities at ements of Section XI.		e completion of	18
ASME Code, Section conform to the requir	XI; and (c) the repair/replacement activities at ements of Section XI.  TWE Program  Twndbul Owner	nd evaluations supporting the	e completion of	18
ASME Code, Section conform to the requir	XI; and (c) the repair/replacement activities at ements of Section XI.  TWE Program Owner or Owner's Designee, Title	nd evaluations supporting the	e completion of	18
ASME Code, Section conform to the requires Signed	XI; and (c) the repair/replacement activities at ements of Section XI.  TWE Program Owner or Owner's Designee, Title	Date 2/9/12	e completion of (refuel	18 ing outage number)
ASME Code, Section conform to the requires Signed	XI; and (c) the repair/replacement activities at ements of Section XI.  TWE Program Owner or Owner's Designee, Title  CERTIFICATE OF	Date 2/9/12  INSERVICE INSPECTION  onal Board of Boiler and Pres	e completion of (refuel	18 ing outage number) the State or
ASME Code, Section conform to the requirement Signed Curtis for the section of th	XI; and (c) the repair/replacement activities at ements of Section XI.  TWE Program Owner or Owner's Designee, Title  CERTIFICATE OF holding a valid commission issued by the National Commission issued by the Na	Date 2/9/12  INSERVICE INSPECTION  onal Board of Boiler and Pres	e completion of (refuel)  ssure Vessel Inspectors and of Hartford	18 ing outage number) the State or
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ASME Code, Section conform to the requirement of the undersigned, have inspected the item performed all activities.	ements of Section XI.  TWE Program Owner Owner or Owner's Designee, Title  CERTIFICATE OF holding a valid commission issued by the National Missouri and employed by the Materian and Employed	Date 2/9//2  INSERVICE INSPECTION  onal Board of Boiler and Pres  HSBCT  and state that, to the best of the requirements of Section	ssure Vessel Inspectors and of Hartford my knowledge and belief, the	18 ing outage number) the State or d, CT e Owner has
ASME Code, Section conform to the requirement of the section of th	ements of Section XI.  TWE Program Owner Owner or Owner's Designee, Title  CERTIFICATE OF holding a valid commission issued by the Nation Missouri and employed by ems described in this Owner's Activity Report, as represented by this report in accordance with	Date 2/9/12  INSERVICE INSPECTION  onal Board of Boiler and Pres  HSBCT  and state that, to the best of h the requirements of Section er makes any warranty, expr	ssure Vessel Inspectors and of Hartford my knowledge and belief, the n XI.	the State or d, CT e Owner has
ASME Code, Section conform to the requirement activities and a section conform to the requirement activities are placement activities.	ements of Section XI.  TWE Program Owner Owner or Owner's Designee, Title  CERTIFICATE OF holding a valid commission issued by the Nation Missouri and employed by ems described in this Owner's Activity Report, as represented by this report in accordance with certificate neither the Inspector nor his employed	Date 2/9/12  INSERVICE INSPECTION  onal Board of Boiler and Pres  HSBCT  and state that, to the best of h the requirements of Section er makes any warranty, expressions are the Inspector of the	e completion of (refuel)  ssure Vessel Inspectors and of Hartford my knowledge and belief, then XI.  ressed or implied, concerning or nor his employer shall be lie	the State or d, CT e Owner has
ASME Code, Section conform to the requirement activities manner for any person conform to the requirement activities and the conformed all activities are placement activities and the conformed and the conformed all activities are placement activities and the conformed and the conformed all activities are placement activities are placement activities and the conformation and the conformation and the conformation and the conformation are conformation and the conformation are conformation and the conformation and the conformation are conformation at the conformation are conformation at the conformation and the conformation are conformation at the conformation and the conformation are conformation at the conformation	CERTIFICATE OF holding a valid commission issued by the National Missouri and employed by the serior described in this Owner's Activity Report, is represented by this report in accordance with certificate neither the Inspector nor his employed is and evaluation described in this report. Further	Date 2/9/12  INSERVICE INSPECTION  onal Board of Boiler and Pres  HSBCT  and state that, to the best of h the requirements of Section er makes any warranty, exprinermore, neither the Inspector kind arising from or connected.	e completion of (refuel)  ssure Vessel Inspectors and of Hartford my knowledge and belief, then XI.  ressed or implied, concerning or nor his employer shall be lie	the State or d, CT e Owner has

### **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
E-A, E1.11	Containment Liner Plate Barrel	CAR 201108817 identified areas on the containment liner plate barrel having blistered paint. The evaluation determined that the blistered paint was not a result of corrosion or other distress to the liner base metal and the condition was therefore acceptable.
E-A, E1.11	Containment Normal Sump Liner	CAR 201109796 identified corrosion on the 'A' containment sump liner plate that did not meet acceptance criteria. The evaluation determined that there was no structural degradation due to the corrosion and the condition was acceptable.

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

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

Report Number			18		
Plant	Callaway Energy Center, P. O. Box 620, Fulton, MO 65251				
Unit No. 1	Commercial service d	date	12/19/1984	Refueling outage no.	18
Current inspection interva	,		3rd (1st, 2nd, 3rd, 4th, oth	ner)	
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 inspe	ection plans		10/24/2012,	Revision 5	
Edition and Addenda of S and Addenda as inspection	Section XI applicable to repair/repon plan.	placement activit	ties, if different than	the inspection plans	Same Edition
Code Cases used	N-460, N-532-4, N-533-1, N-566-	-2, N-616, N-623	3, N-652, N-706, N-7 (if applicable)	<sup>7</sup> 22-1, N-729-1	
	CERT	TIFICATE OF CO	ONFORMANCE		
I certify that (a) the state	ements made in this report are co	correct; (b) the ex	caminations and tes	ts meet the Inspection Plan as	required by the
ASME Code, Section XI;	and (c) the repair/replacement ac	ctivities and eval	luations supporting		18
conform to the requirement	nts of Section XI.			(reruel	ing outage number)
Signed	Fus Kum Pw.	/2477 Date	2/22	12012	
Mar	Owner or Owner's Designee, Title	Procesus		2/2/2	
	tages, christening	)			
	CERTIFIC	CATE OF INSER	VICE INSPECTION	I	
I, the undersigned, hold	ling a valid commission issued by	y the National Bo	oard of Boiler and P	ressure Vessel Inspectors and	the State or
Province of	Missouri and em	nployed by	HSBCT	of Hartford	d, CT
have inspected the items	described in this Owner's Activity	ty Report, and sta	ate that, to the best	of my knowledge and belief, th	e Owner has
performed all activities rep	presented by this report in accord	dance with the re	equirements of Sect	lion XI.	
By signing this certif	ficate neither the Inspector nor his	is employer mak	es any warranty, ex	pressed or implied, concerning	the repair/
replacement activities and	d evaluation described in this repo	ort. Furthermore	e, neither the Inspe	ctor nor his employer shall be li	able in any
manner for any personal i	injury or property damage or a los	oss of any kind ar	rising from or conne	cted with this inspection.	
ma gray	# 96805 Commis	issions NB #	14035ANI 1	Mo # 462 pard, State, Province, and Endorsements	
	•		, ronore.	And, State, France, and Endonce.	
Date 13-FEB-12					

### **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
None	None	None

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

Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
2	BGV0002, Chemical and Volume Control System Letdown Orifice B Outlet Throttle Valve	Perform Section XI Repair to correct leakage at 2" BGV0002 fillet weld.	11/15/2010	10008582