



January 30, 2018

ULNRC-06412

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

10 CFR Part 26, Subpart 1 –
Managing Fatigue

Ladies and Gentlemen:

**DOCKET NUMBER 50-483
CALLAWAY PLANT UNIT 1
UNION ELECTRIC CO.
RENEWED FACILITY OPERATING LICENSE NPF-30
Annual Fatigue Reporting Form**

The enclosed electronic document contains the results for Ameren Missouri's Callaway Energy Center in accordance with 10 CFR 26.205 for the period of January 1, 2017 through December 31, 2017. There were no waivers issued in 2017. Due to issues with the website, the form was not submitted electronically.

This letter does not contain new commitments.

If there are any questions, please contact Aaron Enloe at 573-676-4435.

Sincerely,

Aaron Enloe
Supervisor, Access Authorization/
Fitness for Duty

Enclosure

cc: Mr. Kriss M. Kennedy
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

Senior Resident Inspector
Callaway Resident Office
U.S. Nuclear Regulatory Commission
8201 NRC Road
Steedman, MO 65077

Mr. L. John Klos
Project Manager, Callaway Plant
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Stop O8H4
Washington, DC 20555-0001

Index and send hardcopy to QA File A160.0761

Hardcopy:

Certrec Corporation
6100 Western Place, Suite 1050
Fort Worth, TX 76107

(Certrec receives ALL attachments as long as they are non-safeguards and may be publicly disclosed.)

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U.S. NRC
United States Nuclear Regulatory Commission

Protecting People and the Environment

APPROVED BY OMB NO. 3150-0166

EXPIRES: 11/26/2017

Electronic Information Exchange

Estimated burden per response for this collection of information is 16 hours. The form is a voluntary means of reporting the information required under 10 CFR 26.201(e). The information will be used by NRC to evaluate licensee performance (10 CFR 26.201(e)(1)), to work load reports and safety. Send comments regarding this collection to the PRA, Privacy, and Information Collection Division (315-111) U.S. Nuclear Regulatory Commission, Washington, DC 20545-0001, 11552-0001, or by email to publiccomments@nrc.gov and to the Desk Officer, Office of Information and Regulatory Affairs (315-111), 11552-0001, Office of Management and Enterprise Services, Washington, DC 20545. If a review of this collection of information is requested, please refer to the OMB control number, the NRC, and our website at www.nrc.gov and a person will respond to you as soon as possible.

NRC FFD Program Performance Data Reporting System 10 CFR Part 26, Subpart I - Managing Fatigue Annual Fatigue Reporting Form for the EIE General Submission Portal

Select Facility:
 Period of Report:

 Submission Update - check this box only if this is an update to a previous submission.
 Did your facility incur any injuries or the reporting period? (Yes/No)

Note:
 1) Use Section Reader 1 or later for this form to work properly.
 2) Field your master data in right field to have additional information.

Summary of Waiver Issuance 26.201(e)(1)-(II)

Work Hour Controls	Description	Number of Waivers Issued														
		Operating or on-site standby of the containment system as described in 26.41(a)(1)			Performing health physics or chemistry duties as described in 26.41(a)(2)			Performing duties of a fire brigade member as described in 26.41(a)(3)			Performing maintenance or inside direction of maintenance as described in 26.41(a)(4)			Performing security duties as described in 26.41(a)(5)		
		Operating	Outage (Days 1-40)	Outage (After Day 40)	Operating	Outage (Days 1-40)	Outage (After Day 40)	Operating	Outage (Days 1-40)	Outage (After Day 40)	Operating	Outage (Days 1-40)	Outage (After Day 40)	Operating	Outage (Days 1-40)	Outage (After Day 40)
Daily Work Hours 26.205(a)(1)	Exceeds 16 work hrs in any 24 hr period															
	Exceeds 20 work hrs in any 48 hr period															
	Exceeds 72 work hrs in any 7 day period															
Shift Breaks 26.205(a)(2)	Less than 10 hr break in successive work periods for 2 hr break (not necessarily consecutive) (not shift)															
	Less than 34 hr break in any 8 day period															
Minimum Days Off Per Shift 26.205(a)(3)	Average of less than 1 day off per week for 8-hour shifts															
	Average of less than 2 days off per week for 12-hour shifts															
	Average of less than 2.5 days off per week for 15-hour shifts															
	Average of less than 2 days off per week for 15-hour maintenance shifts															
	Average of less than 3 days off per week for 12-hour security shifts															
Minimum Days Off for Change Activities (during 1st 70 days of outage) 26.205(a)(4) and 26.205(a)(5)	Less than 2 days off per successive 15-day period 26.205(a)(4)															
	Less than 1 day off per 7-day period for maintenance personnel 26.205(a)(4)															
	Less than 4 days off per successive 15-day period for security personnel 26.205(a)(5)															
Alternate to Minimum Days Off 26.205(a)(6)	14-hour maximum average															
	Total															

NOTE: For individuals performing fire brigade duties and other duties please count them only under the fire brigade column. Do not double count these individuals.

Distribution of Waivers for Individuals in Each Category 26.201(e)(1)(II)

Number of Employees Issued Waivers

(Check box if no waivers were issued for a given category, and/or enter a value in 8, 9, 10 or 11 at least one of the cells in the column)

Number of Waivers	Operating or on-site standby of the containment system as described in 26.41(a)(1)	Performing health physics or chemistry duties as described in 26.41(a)(2)	Performing duties of a fire brigade member as described in 26.41(a)(3)	Performing maintenance or inside directing of maintenance as described in 26.41(a)(4)	Performing security duties as described in 26.41(a)(5)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11-20					
More than 20					
Total Employees Issued Waivers (Optional)					
Total Waivers Provided to a Single Individual					

NOTE: For individuals performing fire brigade duties and other duties please count them only under the fire brigade column. Do not double count these individuals.

Summary of Corrective Action 26.201(e)(2) (as applicable)

Analysis of Waiver Assessment Data (Limit 10,000 characters)

Analysis of Fatigue Assessment Data (Limit 10,000 characters)

Conclusions (Limit 10,000 characters)

Summary and Status of Corrective Actions (Limit 10,000 characters)

General Comments (optional) (Limit 10,000 characters)

General Comments (optional) (Limit 10,000 characters)

Person(s) Responsible for Information Provided

Person 1 (required):
 First Name: _____ Last Name: _____ Title: _____
 Address: _____
 Phone: _____ Email: _____

Person 2 (optional):
 First Name: _____ Last Name: _____ Title: _____
 Address: _____
 Phone: _____ Email: _____

Final Step (Required): NRC will consider this form submitted in accordance with 26.11 only when the "Submit & Exit" button has been selected and all errors (i.e. items highlighted in red) have been corrected. The "Submit & Exit" button will change to "Saved" after the data collection process has been successfully completed and the form is ready for submission.

Form Locked On: Jan 30, 2018 at 7:23:43 AM

Buttons: Save to Local PC, Print this Report

Patterson, Randi L

From: Enloe, Aaron E
Sent: Friday, January 26, 2018 11:04 AM
To: Patterson, Randi L
Subject: FW: Annual Fatigue Reporting Form

FYI

Thanks,

Aaron Enloe :: AA/FFD Supervisor :: T 573-676-4435 C 573-592-9286 ::
Ameren Missouri :: Callaway Energy Station

From: Montecalvo, Michael [mailto:Michael.Montecalvo@nrc.gov]
Sent: Friday, January 26, 2018 10:03 AM
To: Montecalvo, Michael
Subject: Annual Fatigue Reporting Form

EXTERNAL SENDER Do not click on links or open attachments that are not expected, do not give out User IDs or passwords, and do not reply to requests for information from unconfirmed email addresses.

Good afternoon,

We are aware that 2017 is not an available option on the Annual Fatigue Reporting Form and are working to resolve the issue. We will send a follow up email to this list when the issue is resolved and the form is available for use. We apologize for the inconvenience and appreciate your patience.

Michael Montecalvo

Reactor Operations Engineer (Human Factors)
PRA Operations and Human Factors Branch
Division of Risk Assessment
Office of Nuclear Reactor Regulation

(301)415-1678

Michael.Montecalvo@NRC.gov