

December 13, 1999



U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Stop P1-137  
Washington, DC 20555-0001

ULNRC-4163

Gentlemen:

**DOCKET NUMBER 50-483  
UNION ELECTRIC CO.  
CALLAWAY PLANT UNIT 1  
FACILITY OPERATING LICENSE NPF-30  
MONTHLY OPERATING REPORT  
NOVEMBER, 1999**

The enclosed Monthly Operating Report for November, 1999 is submitted pursuant to Section 6.9.1.8 of the Callaway Unit 1 Technical Specifications.

A handwritten signature in black ink, appearing to read "R. D. Affolter".

R. D. Affolter  
Manager, Callaway Plant

RDA/JER/mib

Enclosure

PAR APPROX 05000483

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DOCKET NO.: 50-483  
UNIT NAME: CALLAWAY UNIT 1  
COMPLETED BY: J. E. Ready  
TELEPHONE: 573/676-8617  
FAX: 573/676-4202

**PART A - OPERATIONS SUMMARY:**

**Callaway began the month of November in Refueling Outage Ten. On November 5, at approximately 23:00, the Main Generator was synchronized to the grid, ending the outage. The plant ran at approximately 100% until November 26 when Callaway experienced a reactor trip. A fuse in the primary power supply to a process control cabinet failed. During the investigation, the secondary power supply received a momentary power interruption. This caused the Main Feedwater Regulating valve 'A' to close and both Main Feedwater Pumps to go to their low speed stops. An attempt by the Reactor Operator to take manual control was unsuccessful resulting in a Reactor trip.**

**PART B - PORV AND SAFETY VALVE SUMMARY:**

None.

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**PART C**  
**AVERAGE DAILY UNIT POWER LEVEL**

DOCKET NO: 50-483  
UNIT: Callaway Unit 1  
COMPLETED BY: J. E. Ready  
TELEPHONE: 573/676-8617  
FAX: 573/676-4202

**MONTH: November 1999**

<b>AVERAGE DAILY POWER LEVEL</b>		<b>AVERAGE DAILY POWER LEVEL</b>	
<b><u>DAY</u></b>	<b><u>(MWe-Net)</u></b>	<b><u>DAY</u></b>	<b><u>(MWe-Net)</u></b>
1	0	17	28,888
2	0	18	28,658
3	0	19	28,912
4	0	20	29,010
5	16	21	28,914
6	5,249	22	28,816
7	12,736	23	28,830
8	20,488	24	29,100
9	24,085	25	29,126
10	26,980	26	15,093
11	28,268	27	1,228
12	28,468	28	14,344
13	28,530	29	28,152
14	28,814	30	28,914
15	28,970	31	N/A
16	28,956		

**PART D**  
**OPERATING DATA REPORT**

DOCKET NO.: 50-483  
 UNIT NAME: CALLAWAY UNIT 1  
 COMPLETED BY: J. E. Ready  
 TELEPHONE: 573/676-8617  
 FAX: 573/676-4202

OPERATING STATUS:

	<u>(NOVEMBER)</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
1. REPORTING PERIOD:			
GROSS HOURS IN REPORTING PERIOD:	720	8016	131,031.0
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3565 MAX. DEPEND. CAPACITY (MWe-Net): 1125 DESIGN ELECTRICAL RATING (MWe-Net): 1171			
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): 100%			
4. REASONS FOR RESTRICTION (IF ANY):			
	<u>THIS MONTH</u>	<u>YR TO DATE</u>	<u>CUMULATIVE</u>
5. NUMBER OF HOURS REACTOR WAS CRITICAL	603.5	7024.7	116,859
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7. HOURS GENERATOR ON-LINE	572	6962.8	115,143.7
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	1,816,209	24,169,088.5	388,251,118
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	609,545	8,128,281	132,330,422
11. NET ELECTRICAL ENERGY GENERATED (MWH)	573,242	7,738,506	125,923,632
12. REACTOR SERVICE FACTOR	83.8	87.6	89.2
13. REACTOR AVAILABILITY FACTOR	83.8	87.6	89.2
14. UNIT SERVICE FACTOR	66.9	85.7	87.8
15. UNIT AVAILABILITY FACTOR	66.9	85.7	87.8
16. UNIT CAPACITY FACTOR (Using MDC)	70.8	85.8	85.4
17. UNIT CAPACITY FACTOR (Using Design MWe)	68.0	82.4	82.1
18. UNIT FORCED OUTAGE RATE	4.83	2.98	2.11
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
20. IF SHUT DOWN AT END OF REPORTING PERIOD, ESTIMATE DATE OF STARTUP:			

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**PART E**  
**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO.: 50-483  
 UNIT NAME: CALLAWAY UNIT 1  
 COMPLETED BY: J. E. Ready  
 TELEPHONE: 573/676-8617  
 FAX: 573/676-4202

REPORT MONTH: NOVEMBER, 1999

<u>NO.</u>	<u>DATE</u>	<u>TYPE</u>		<u>DURATION</u> <u>(HOURS)</u>	<u>REASON</u>	<u>METHOD OF</u> <u>SHUTTING DOWN</u> <u>THE REACTOR OR</u> <u>REDUCING POWER</u>	<u>CORRECTIVE</u> <u>ACTIONS/COMMENTS</u>
		<u>F: FORCED</u>	<u>S: SCHEDULED</u>				
9916	11-01-99		S	119	C	1	REFUEL 10
9917	11-05-99		S	124	C	1	REFUEL 10 - POWER ASCENSION
9918	11-26-99		F	29	A	3	FUSE FOR THE PROCESS CONTROL CABINET PRIMARY POWER SUPPLY, FAILED. (LER 99-008)
9919	11-27-99		F	37	A	3	POWER ASCENSION

**SUMMARY On November 26 the Callaway Plant experienced a reactor trip. A fuse in the primary power supply to a process control cabinet failed. During the investigation, the secondary power supply received a momentary power interruption. This caused the Main Feedwater Regulating valve 'A' to close and both Main Feedwater Pumps to go to their low speed stops. An attempt by the Reactor Operator to take manual control was unsuccessful resulting in a Reactor trip.**

**REASON**

- A: EQUIPMENT FAILURE (EXPLAIN)
- B: MAINT. OR TEST
- C: REFUELING
- D: REGULATORY RESTRICTION
- E: OPERATOR TRAINING AND LICENSE EXAMINATION
- F: ADMINISTRATION
- G: OPERATIONAL ERROR (EXPLAIN)
- H: OTHER (EXPLAIN)

**METHOD**

- 1: MANUAL
- 2: MANUAL SCRAM
- 3: AUTOMATIC SCRAM
- 4: OTHER (EXPLAIN)