

January 13, 2000



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

ULNRC-04175

Gentlemen:

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

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

  
R. D. Affolter  
Manager, Callaway Plant

RDA/JER/slk

Enclosure

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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:**

**The Callaway Plant operated at 100% for the month of December with two brief exceptions. On December 1<sup>st</sup> at approximately 19:20, the "A" LP heater string isolated. The isolation was due to valve ALFV0092 (1A normal level control valve) failing closed. Power was reduced to 94%, and at 22:24 the heaters were placed back in service. On December 8<sup>th</sup> at 15:50 a Turbine setback was initiated. An operational test sequence was being performed on a 4.16KV circulating water pump. Hand switch DAHS0113 was in the enable position which allowed the setback during the tripping sequence checks. The setback was quickly secured and evaluated. The Turbine load increase began at 16:05 and continued until the plant was at full power.**

**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: December, 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	1,139	17	1,156
2	1,139	18	1,159
3	1,141	19	1,157
4	1,149	20	1,159
5	1,156	21	1,158
6	1,160	22	1,157
7	1,152	23	1,157
8	1,122	24	1,159
9	1,149	25	1,158
10	1,154	26	1,156
11	1,155	27	1,158
12	1,153	28	1,155
13	1,157	29	1,154
14	1,155	30	1,154
15	1,156	31	1,157
16	1,158		

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**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:

	<b>(DECEMBER)</b>	<b><u>YR TO DATE</u></b>	<b><u>CUMULATIVE</u></b>
1. REPORTING PERIOD:			
GROSS HOURS IN REPORTING PERIOD:	744	8760	131,775
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):			
	<b><u>THIS MONTH</u></b>	<b><u>YR TO DATE</u></b>	<b><u>CUMULATIVE</u></b>
5. NUMBER OF HOURS REACTOR WAS CRITICAL	744	7768.7	117603
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7. HOURS GENERATOR ON-LINE	744	7706.8	115887.7
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	2,637,390	26,806,478.5	390,888,508
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	897,895	9,026,176	133,228,317
11. NET ELECTRICAL ENERGY GENERATED (MWH)	857,919	8,596,425	126,781,551
12. REACTOR SERVICE FACTOR	100	88.7	89.2
13. REACTOR AVAILABILITY FACTOR	100	88.7	89.2
14. UNIT SERVICE FACTOR	100	88.0	87.9
15. UNIT AVAILABILITY FACTOR	100	88.0	87.9
16. UNIT CAPACITY FACTOR (Using MDC)	102.5	87.2	85.5
17. UNIT CAPACITY FACTOR (Using Design MWe)	98.5	83.8	82.2
18. UNIT FORCED OUTAGE RATE	00	2.70	2.09
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: DECEMBER, 1999

<u>NO.</u>	<u>DATE</u>	<u>TYPE</u> F: FORCED S: SCHEDULED	<u>DURATION</u> (HOURS)	<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>
9920	12-01-99	F	0	A	1	"A" STRING LP HEATERS ISOLATED ON HIGH LEVEL
9921	12-08-99	F	0	G	4	TURBINE SETBACK DUE TO MISPOSITIONED SWITCH DURING TESTING

SUMMARY The Callaway Plant operated at 100% for the month of December with two brief exceptions. On December 1<sup>st</sup> at approximately 19:20, the "A" LP heater string isolated. The isolation was due to valve ALFV0092 (1A normal level control valve) failing closed. Power was reduced to 94%, and at 22:24 the heaters were placed back in service. On December 8<sup>th</sup> at 15:50 a Turbine setback was initiated. An operational test sequence was being performed on a 4.16KV circulating water pump. Hand switch DAHS0113 was in the enable position which allowed the setback during the tripping sequence checks. The setback was quickly secured and evaluated. The Turbine load increase began at 16:05 and continued until the plant was at full power.

- | <u>REASON</u>                                | <u>METHOD</u>      |
|--|--------------------|
| A: EQUIPMENT FAILURE (EXPLAIN)               | 1: MANUAL          |
| B: MAINT. OR TEST                            | 2: MANUAL SCRAM    |
| C: REFUELING                                 | 3: AUTOMATIC SCRAM |
| D: REGULATORY RESTRICTION                    | 4: OTHER (EXPLAIN) |
| E: OPERATOR TRAINING AND LICENSE EXAMINATION |                    |
| F: ADMINISTRATION                            |                    |
| G: OPERATIONAL ERROR (EXPLAIN)               |                    |
| H: OTHER (EXPLAIN)                           |                    |