

November 5, 1999

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

ULNRC-4143



Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
SPECIAL REPORT 99-002  
Inservice Inspection Results For Steam Generator  
Tube Inspections – Number of Tubes Plugged or Repaired**

This special report is submitted in accordance with Technical Specification (T/S) 4.4.5.5.a, which states:

"Within 15 days following the completion of each inservice inspection of steam generator tubes, the number of tubes plugged or repaired in each steam generator shall be reported to the Commission in a Special Report pursuant to Specification 6.9.2."

The Steam Generator (S/G) Inservice Inspection was completed for all four S/Gs to meet the surveillance requirements of T/S 3/4.4.5, "Steam Generators". Fifty-seven (57) tubes were repaired by sleeving and forty (40) were repaired by plugging as a result of the inspection. The tubes repaired (and the method used for each) are identified in the attached tables.

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

R. D. Affolter  
Manager, Callaway Plant

RDA/mdh

Enclosure

A001

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**STEAM GENERATOR A REPAIR LIST**

ROW	COL	REPAIR		REASON FOR REPAIR (Legend outlined on page 4)	IN-SERVICE
		HOT LEG	COLD LEG		
11	62	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH + 0.11	NO
11	95	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.14	YES
12	107	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.07	YES
13	64	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH + 0.00	NO
14	63	PLUGGED	PLUGGED	SAI @ TSH + 0.00	NO
14	67	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH - 0.03	NO
14	71	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH + 0.00	NO
15	62	PLUGGED	PLUGGED	SAI @ TSH + 0.13	NO
15	93	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.07	YES
17	32	8" ELECTROSLEEVE	N/A	SCI @ TSH -1.11	YES
17	54	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.00	YES
17	67	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH + 0.10	NO
17	74	PLUGGED	PLUGGED	SVI @ TSH + 0.10	NO
17	81	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.07	YES
17	88	8" ELECTROSLEEVE	N/A	MAI @ TSH -0.01	YES
18	45	8" ELECTROSLEEVE	N/A	SCI @ TSH -0.15	YES
19	81	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.06	YES
20	88	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.06	YES
22	46	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.13	YES
24	52	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.12	YES
25	86	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.08	YES
26	51	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.15	YES
30	81	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.02	YES
31	94	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.04	YES
31	97	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH - 4.33 / - 4.62	NO
33	64	8" ELECTROSLEEVE	N/A	SCI @ TSH -0.34	YES
33	71	8" ELECTROSLEEVE	N/A	MCI @ TSH +0.00	YES
34	72	PLUGGED	PLUGGED	SVI @ TSH + 0.30	NO
35	80	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.11	YES
38	85	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.01	YES
39	52	8" ELECTROSLEEVE	N/A	SCI @ TSH -0.08	YES
39	81	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.06	YES
39	85	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.10	YES
39	87	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.02	YES
41	56	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.00	YES
42	65	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.03	YES
42	83	8" ELECTROSLEEVE	N/A	MCI @ TSH +0.12	YES
44	33	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.00	YES
44	34	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.16	YES
47	61	8" ELECTROSLEEVE	N/A	SAI @ TSH -0.81	YES
49	75	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.14	YES
58	64	PLUGGED	PLUGGED	SVI @ 01H - 0.36	NO

**STEAM GENERATOR B REPAIR LIST**

ROW	COL	REPAIR		REASON FOR REPAIR	IN-SERVICE
		HOT LEG	COLD LEG	(Legend outlined on page 4)	
11	65	PLUGGED	PLUGGED	SAI @ TSH +0.16	NO
11	68	PLUGGED	PLUGGED	SAI @ TSH +0.35	NO
12	55	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH -0.03	NO
12	65	PLUGGED	PLUGGED	SAI @ TSH +0.10	NO
12	66	PLUGGED	PLUGGED	SAI @ TSH +0.17	NO
12	67	PLUGGED	PLUGGED	SAI @ TSH +0.21	NO
13	49	PLUGGED	PLUGGED	SAI @ TSH +0.09	NO
13	64	PLUGGED	PLUGGED	SVI @ TSH +2.01	NO
14	64	PLUGGED	PLUGGED	SVI @ TSH +1.25	NO
				SVI @ TSH +2.26	
15	62	PLUGGED	PLUGGED	SVI @ TSH +1.02	NO
15	102	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH +0.12	NO
16	12	PLUGGED	PLUGGED	SVI @ TSH +0.05	NO
17	108	PLUGGED-STABILIZED	PLUGGED	MCI @ TSH +0.08	NO
27	95	PLUGGED	PLUGGED	SAI @ TSH +0.03	NO
27	113	PLUGGED-STABILIZED	PLUGGED	SCI @ TSH -0.04	NO

**STEAM GENERATOR C REPAIR LIST**

ROW	COL	REPAIR		REASON FOR REPAIR (Legend outlined on page 4)	IN-SERVICE
		HOT LEG	COLD LEG		
1	5	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.12	YES
9	64	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.24	YES
10	93	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.23 TO +0.91	YES
11	30	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.28	YES
11	63	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.84	YES
11	69	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.10	YES
12	65	8" ELECTROSLEEVE	N/A	SVI @ TSH +1.66	YES
13	65	8" ELECTROSLEEVE	N/A	SVI @ TSH +1.46	YES
14	52	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.14	YES
14	62	8" ELECTROSLEEVE	N/A	SAI @ TSH +0.66	YES
15	31	8" ELECTROSLEEVE PLUGGED	PLUGGED	SAI @ TSH +0.08	NO
16	66	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.49	YES
18	103	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.05	YES
21	87	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.28	YES
22	81	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.04	YES
23	9	8" ELECTROSLEEVE PLUGGED	PLUGGED	SAI @ TSH +0.45	NO
25	88	8" ELECTROSLEEVE PLUGGED	PLUGGED	SCI @ TSH +0.05	NO
27	31	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.16	YES
30	62	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.08	YES
30	104	8" ELECTROSLEEVE	N/A	SAI @ TSH -0.02	YES
31	41	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.10	YES
31	62	8" ELECTROSLEEVE	N/A	MCI @ TSH +0.09	YES
34	45	PLUGGED - STABILIZED	PLUGGED	MCI @ TSH -4.55 SCI @ TSH -5.74	NO
37	98	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.20	YES
41	54	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.04	YES
48	37	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.01	YES
48	75	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.07	YES
48	76	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.13	YES
51	62	8" ELECTROSLEEVE	N/A	SVI @ TSH +0.06	YES
57	76	8" ELECTROSLEEVE	N/A	SCI @ TSH +0.03	YES

**STEAM GENERATOR D REPAIR LIST**

ROW	COL	REPAIR		REASON FOR REPAIR (Legend outlined on page 4)	IN-SERVICE
		HOT LEG	COLD LEG		
11	69	PLUGGED	PLUGGED	SVI @ TSH +0.43	NO
14	61	PLUGGED	PLUGGED	MAI @ TSH +0.17	NO
36	62	PLUGGED - STABILIZED	PLUGGED	MCI @ TSH -0.45	NO
38	103	PLUGGED	PLUGGED	SVI @ TSH +0.45	NO
39	65	PLUGGED	PLUGGED	SAI @ TSH +0.00	NO
52	44	PLUGGED	PLUGGED	44% @ AV3 +0.00	NO
53	70	PLUGGED	PLUGGED	SVI @ TSC +1.35	NO
53	71	PLUGGED	PLUGGED	SVI @ TSC +0.38	NO
53	72	PLUGGED	PLUGGED	SVI @ TSC +0.06	NO
53	73	PLUGGED	PLUGGED	SVI @ TSC +1.75	NO

SAI            Single Axial Indication  
 MAI           Multiple Axial Indication  
 SCI            Single Circumferential Indication  
 MCI           Multiple Circumferential Indication  
 SVI            Single Volumetric Indication  
 TSH           Tube Sheet Hot  
 TSC           Tube Sheet Cold  
 AV#           Anti-Vibration Bar (where # is the anti-vibration bar number)  
 OIH            First Support Plate Hot