



**Entergy  
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April 12, 1991

2CAN049108

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Mail Station P1-137  
Washington, DC 20555

Subject: Arkansas Nuclear One - Unit 2  
Docket No. 50-368  
License No. NPF-6  
Number of Plugged Steam Generator Tubes Report

Gentlemen:

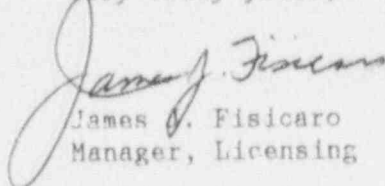
Arkansas Nuclear One, Unit 2 (ANO-2) Technical Specification 4.4.5.5.a requires the number of tubes plugged in each steam generator to be reported to the Commission. This Technical Specification also requires this report to be submitted within 15 days following each inservice inspection of the steam generators. The purpose of this submittal is to complete the reporting requirements of Technical Specification 4.4.5.5.a. ANO-2 completed the inservice inspections of the steam generator tubes on April 3, 1991.

In 2E-24A (steam generator "A"), no tubes were plugged during the eighth refueling outage for ANO-2 (2R8). In 2E-24B (steam generator "B"), 73 tubes were required to be plugged during 2R8, because the defects were determined to be greater than or equal to 40% throughwall. Attached is a tabulation of the location of the plugged tubes, the percent throughwall the indication was and the location of the indication.

Additional information on the inspections was provided in letter 2CAN049167, dated April 5, 1991. That submittal was the required special report for Category C-3 results. The complete results of the steam generator tube inservice inspection will be provided by March 1, 1992, as required by ANO-2 Technical Specifications 4.4.5.5.b and 6.9.1.5.b.

Should you have any questions regarding this submittal, please contact me.

Very truly yours,

  
James V. Fisicaro  
Manager, Licensing

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PDR ADOCK 05000368  
Q PDR

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JJF/RWC/lpi  
Attachment

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## ATTACHMENT TO LETTER 2CAN049108

## LOCATION OF DEFECTS IN THE "B" STEAM GENERATOR

ROW	LINE	% THROUGHWALL	LOCATION
2	22	55	1H + 0.21"
7	37	59	3H + 0.47"
9	43	43	6H - 0.16"
11	55	57	1H -
14	38	51	3H + 0.76"
15	37	46	3H -
15	123	63	TSH + 0.78"
16	40	41	1H + 0.92"
16	124	53	2H + 0.59"
18	50	58	1H + 0.08"
18	50	59	6H - 0.05"
18	62	52	1H + 0.69"
18	166	84	5H - 0.67"
19	111	46	2H -
20	40	49	1H + 0.48"
22	40	63	3H + 0.24"
22	58	41	1H + 0.31"
24	16	54	BW3 + 0.48"
24	118	41	7H - 0.68"
25	101	53	1H + 0.72"
25	129	74	1H + 0.29"
27	107	44	1H - 0.55"
27	113	40	3H + 0.81"
27	155	64	TSH +24.93"
28	120	51	BW5 - 0.26"
30	50	56	1H + 0.76"
33	95	44	BW1 - 1.06"
33	95	48	BW1 - 0.77"
33	99	41	BW5 - 1.03"
33	119	48	1H - 0.49"
36	64	57	1H + 0.69"
42	48	57	7H + 0.83"
42	48	50	BW3 + 0.46"
42	54	49	BW3 + 0.33"
47	77	51	1H - 0.52"
53	105	46	BW5 - 1.05"
54	138	42	1H + 0.41"
60	86	75	1H + 0.30"
60	86	50	5H + 0.77"
63	63	72	3H + 0.55"
63	69	65	BW3 + 0.70"
64	100	50	1H - 0.08"
66	24	44	4H + 0.65"
66	86	63	1H + 0.54"
67	109	96	1H - 0.52"
68	64	55	2H + 0.33"
68	72	43	TSH + 2.75"

ROW	LINE	% THROUGHWALL	LOCATION
70	90	45	1H - 0.15"
70	90	54	1H + 0.71"
71	53	45	4H + 0.78"
71	143	83	8H + 0.38"
72	70	63	2H - 0.22"
72	70	41	2H + 0.47"
72	84	55	TSH + 2.97"
72	84	69	1H + 0.51"
72	100	47	1H + 0.12"
72	108	68	1H + 0.49"
72	124	49	2H + 0.60"
73	125	85	3H + 0.69"
74	44	63	3H + 0.46"
74	44	44	3H + 0.72"
74	70	71	2H + 0.46"
75	95	50	TSH + 2.56"
78	92	43	BW5 + 0.89"
80	60	51	1H + 0.84"
81	81	41	1H + 0.51"
81	125	52	1H - 0.74"
84	52	47	TSC + 2.47"
86	88	44	2H + 0.70"
90	38	61	9C + 8.90"
98	142	47	BW5 + 0.79"
99	81	64	BW1 - 0.26"
99	81	49	BW1 - 0.14"
99	105	42	BW3 -
99	105	52	BW3 + 1.09"
104	72	50	BW2 + 0.15"
106	34	42	BW4 - 0.87"
106	34	40	BW4 - 0.75"
106	62	41	2H + 0.90"
106	68	41	BW2 - 0.30"
115	101	51	2H - 0.54"
116	98	67	1H - 0.74"
134	108	43	11C -
140	82	40	BW1 - 0.71"

#### LEGEND

TSH = Tubesheet Hot Leg  
 TSC = Tubesheet Cold Leg  
 "X"H = "Xth" Support on Hot Leg  
 "X"C = "Xth" Support on Cold Leg  
 BWX = Xth Batwing - Vertical Plane  
 Tube Restraint Strap

TSH + "Y" denotes an indication "Y" inches above the top of the tubesheet

TSC + "Y" denotes an indication "Y" inches above the top of the tubesheet

"X"H + "Z" denotes an indication "Z" inches above/below the center of the support plate