

STEAM GENERATOR TUBE INSERVICE INSPECTION REPORT

SEQUOYAH NUCLEAR PLANT

UNIT 2

CYCLE 1 REFUELING OUTAGE

July 1983

B404270219 B40424
PDR ADOCK 05000328
G PDR

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TABLE I

INSPECTION SUMMARY SEQUOYAH UNIT #2

Steam Generators #2 & #3

<u>1983</u>	<u>TOTALS</u>	<u>S/G #2</u>		<u>S/G #3</u>	
		<u>HOT LEG</u>	<u>COLD LEG</u>	<u>HOT LEG</u>	<u>COLD LEG</u>
Tubes In Steam Generator (Straight Lengths)	13,552	3,388	3,388	3,388	3,388
Tubes Inspected	1,289	397	33	462	397
Tubes Recording Severe Damage (Approximate Wall Loss 40% & Greater)	1	0	0	0	1 (R2-C94)
Tubes Recording Moderate Damage (Approximate Wall Loss 20% to 39%)	0	0	0	0	0
Tubes Recording Minor Damage (Approximate Wall Loss Less Than 20%)	0	0	0	0	0

TABLE II

DENT ANALYSIS SUMMARY

Sequoyah Unit #2 Steam Generator #2

1983

		<u>Total</u>	<u>Hot Leg</u>	<u>Cold Leg</u>
Tubes In Steam Generator (Straight Lengths)		6776	3388	3388
Total Tubes Analyzed (Straight Lengths)		383	241	142
Total Intersections Analyzed		2034	1686	348
Dents 20+ Mils	No. of Intersections	0	0	0
Dents 16-20 Mils	No. of Intersections	0	0	0
Dents 11-15 Mils	No. of Intersections	0	0	0
Intersections Recording Initiation of Dents or Magnetite Buildup	No. of Intersections	126 6.2%	124 7.4%	2 0.6%
Intersections Recording No Dents Nor Magnetite Buildup	No. of Intersections	1908 93.8%	1562 92.6%	346 99.4%

TABLE III

DENT ANALYSIS SUMMARY

Sequoyah Unit #2 Steam Generator #3

<u>1983</u>		<u>Total</u>	<u>Hot Leg</u>	<u>Cold Leg</u>
Tubes In Steam Generator (Straight Lengths)		6776	3388	3388
Total Tubes Analyzed (Straight Lengths)		601	472	129
Total Intersections Analyzed		2766	2383	383
Dents 20+ Mils	No. of Intersections	0	0	0
Dents 16-20 Mils	No. of Intersections	0	0	0
Dents 11-15 Mils	No. of Intersections	0	0	0
Intersections Recording Initiation of Dents or Magnetite Buildup		-		
	No. of Intersections	131	111	20
		4.7%	4.7%	5.2%
Intersections Recording No Dents Nor Magnetite Buildup				
	No. of Intersections	2635	2272	363
		95.3%	95.3%	94.8%

TABLE IV

SEQUOYAH UNIT 2
IDENTIFICATION OF TUBES PLUGGED

<u>S/G No.</u>	<u>Tube Plug Location</u>	<u>Reason</u>
3	R2-C94	Loose part damage resulting in primary-to-secondary leak