

U.S. Nuclear Regulatory Commission
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November 16, 2000

Please direct questions concerning this issue to me at (423) 843-7170 or J. D. Smith at (423) 843-6672.

Sincerely,



Pedro Salas
Site Licensing and Industry Affairs Manager

Enclosure

cc (Enclosure):

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ENCLOSURE 1

SEQUOYAH NUCLEAR PLANT

UNIT 2 CYCLE 10 REFUELING OUTAGE

STEAM GENERATOR TUBE PLUGGING REPORT

<u>SG</u>	<u>ROW</u>	<u>COL</u>
1	2	84
1	10	47
1	12	90
1	19	69
1	19	82
1	24	33
1	25	39
1	43	61

Total Number of Tubes
Plugged This Generator: 8

SEQUOYAH NUCLEAR PLANT

UNIT 2 CYCLE 10 REFUELING OUTAGE

STEAM GENERATOR TUBE PLUGGING REPORT

<u>SG</u>	<u>ROW</u>	<u>COL</u>
2	1	38
2	1	41
2	1	77
2	2	59
2	3	59
2	3	93
2	7	63
2	7	86
2	9	51
2	13	72
2	14	33
2	15	33
2	19	82
2	21	50
2	29	37
2	30	49

Total Number of Tubes
Plugged This Generator: 16

SEQUOYAH NUCLEAR PLANT

UNIT 2 CYCLE 10 REFUELING OUTAGE

STEAM GENERATOR TUBE PLUGGING REPORT

<u>SG</u>	<u>ROW</u>	<u>COL</u>
3	1	30
3	1	58
3	1	90
3	7	7
3	10	27
3	12	30
3	12	36
3	12	73
3	12	83
3	13	35
3	19	46
3	22	44
3	32	17
3	34	43

Total Number of Tubes
Plugged This Generator: 14

SEQUOYAH NUCLEAR PLANT

UNIT 2 CYCLE 10 REFUELING OUTAGE

STEAM GENERATOR TUBE PLUGGING REPORT

<u>SG</u>	<u>ROW</u>	<u>COL</u>
4	1	6
4	1	7
4	1	8
4	1	11
4	1	94
4	2	61
4	2	68
4	3	24
4	4	6
4	5	5
4	5	7
4	6	37
4	7	3
4	8	26
4	9	69
4	13	38
4	16	42
4	17	28
4	18	68

SEQUOYAH NUCLEAR PLANT

UNIT 2 CYCLE 10 REFUELING OUTAGE

STEAM GENERATOR TUBE PLUGGING REPORT

(Continued from previous page)

<u>SG</u>	<u>ROW</u>	<u>COL</u>
4	20	28
4	23	59
4	26	30
4	28	36
4	38	61
4	39	63
4	45	58

Total Number of Tubes
Plugged This Generator: 26

Total Number of Tubes
Plugged from U2C10
SG Inspections: 64

ENCLOSURE 2

SEQUOYAH NUCLEAR PLANT

FOLLOW-UP REPORT FOR TS 4.4.5.5 c

STEAM GENERATOR CATEGORY C-3

In accordance with SQN Technical Specification 4.4.5.5.c, TVA reported to the NRC during two teleconference calls that the U-Bend Plus Point inspections were categorized as C-3 in steam generators 2, 3, and 4. Inspection results indicate that SGs 2 and 3 have two tubes with U-Bend Primary Water Stress Corrosion Cracks (PWSCC) and SG 4 has 7 tubes with U-Bend PWSCC. Because the original inspection scope for Row 1 and 2 U-Bends was 153 tubes in SG 2, 165 tubes in SG3, and 181 tubes in SG 4, the inspections were categorized as C-3. Two indications were in Row 2 and one indication was in Row 3. This resulted in an expansion to 100% inspection of Row 3 in all SGs and 20% of Row 4 in all SGs.

PWSCC at inner radius U-Bends is directly related to cold work and residual stresses associated with the tube manufacturing technique. The Unit 2 Row 1 and 2 U-Bends operated in this condition for multiple cycles and subsequently were in-situ stress relieved as a corrective measure. Cracking that initiated prior to stress relief continues to grow to detectable levels. The 100% inspection ensures that significant flaws are removed from service.

Bobbin inspection in SG 4 is also categorized as C-3 because greater than 10% of the tubes inspected were degraded. This is primarily due to Generic Letter 95-05 alternate repair criteria where very small voltage ODSCC axial indications are left in service inside the tube support plates.