

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

MAY 09 1990

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of) Docket Nos. 50-327
Tennessee Valley Authority) 50-328

SEQUOYAH NUCLEAR PLANT (SQN) - UNIT 1 STEAM GENERATOR TUBE PLUGGING

Reference: TVA letter to NRC dated June 12, 1989, "Sequoyah Nuclear Plant (SQN) - NRC Bulletin 89-01: Failure of Westinghouse Steam Generator Tube Mechanical Plugs"

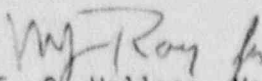
As required by SQN Technical Specification 4.4.5.5.a, this submittal provides notification of steam generator tube plugging during the Unit 1 Cycle 4 refueling outage. The in-service inspection was completed on April 27, 1990. TVA will submit a special report of the results of this inspection on or before April 27, 1991.

Enclosure 1 contains a summary of the tubes plugged in Unit 1 during this outage. Additionally, 79 Westinghouse Electric Corporation plugs were removed and replaced with Combustion Engineering Inc., Inconel 690 plugs as a result of NRC Bulletin 89-01 requirements. Enclosure 2 provides the status of the remaining Westinghouse plugs in both Units 1 and 2. This enclosure updates Table 1 that was submitted in the referenced letter. For your information, the total number of tubes currently plugged in Unit 1 is provided in Enclosure 3.

The summary statement of the commitment contained in this letter is provided in Enclosure 4. Please direct questions concerning this issue to Kathy S. Whitaker at (615) 843-7748.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


E. G. Wallace, Manager
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Enclosures:
cc: See page 2

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U.S. Nuclear Regulatory Commission

MAY 09 1990

cc (Enclosures):

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ENCLOSURE 1

Sequoyah Nuclear Plant Unit 1 Cycle 4 Tubes Plugged

<u>S/G</u>	<u>Row</u>	<u>Col</u>	<u>Percent</u>	<u>Location</u>	<u>Reason for Plugging</u>
1	20	69	*	HTS - .5	Preventive
2	16	36	44	HTS + 1.0	OD indication
3	24	38	36	HTS + 1.3	Preventive
3	33	39	38	AV3	Preventive
4	17	43	90	HTS - .1	ID indication

*Non-quantifiable ID indication

Sequoyah Nuclear Plant Westinghouse Plug DataMay 1990

<u>Unit</u>	<u>S/G</u>	<u>Leg</u>	<u>Inst Date</u>	<u>No. of Plugs</u>	<u>Heat No.</u>	<u>Temp^(1,2,4) Scale</u>	<u>EFPD to (4,5) Min. Ligament</u>	<u>EFPD to Date⁽³⁾</u>	<u>Plug EFPD Remaining</u>
1	1	H	6-88	10	5222	1.6	-	429	-
1	1	C	6-88	9	4523	12.4	3541	429	3112
1	1	C	6-88	1	5222	12.4	-	429	-
1	2	C	6-88	10	5222	12.4	-	429	-
1	4	C	6-88	17	4523	12.4	3541	429	3112
2	3	H	8-83	1	2205	1.6	-	1005	-
2	3	C	8-83	1	2205	12.4	-	1005	-

Notes: ⁽¹⁾ T_{MLET} = 606.8°F⁽²⁾ T_{COLE} = 546.9°F⁽³⁾ Data as of 24:00, April 30, 1990⁽⁴⁾ Information supplied by Westinghouse (letter to NRC NS-NRC-89-3432 dated May 1, 1989)⁽⁵⁾ Data corrected to Millstone 2 benchmark per section 4.1.2 of WCAP-12244

ENCLOSURE 1

Sequoyah Nuclear Plant Tube Plugging Status

May 1990

<u>Unit</u>	<u>S/G</u>	<u>Number of Tubes Plugged</u>		
		<u>Row 1</u>	<u>Other</u>	<u>Total</u>
1	1	9	2	11
1	2	10	1	11
1	3	24	2	26
1	4	19	1	20

Note: (1) Number of tubes per S/G is 3388

ENCLOSURE 4

List of Commitments

TVA will submit a special report of the results of this in-service inspection on or before April 27, 1991.