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Fax: 724-643-8069April 26, 2005  
L-05-083U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001**Subject: Beaver Valley Power Station, Unit No. 2  
Docket No. 50-412, License No. NPF-73  
2R11 Steam Generator Tube Plug Special Report**

In accordance with Beaver Valley Power Station (BVPS) Unit No. 2 Technical Specification 4.4.5.5.a which requires that a Steam Generator Special Report be submitted within 15 days of completion of steam generator inspections, Attachment 1 lists the number of tubes removed from service (plugged) from each steam generator during the 2R11 refueling outage. No steam generator tubes were repaired (sleeved) during 2R11.

The following examinations were performed during 2R11:

- 100% full length 0.720" bobbin coil examination of all in-service tubes in Rows 5 through Row 46
- 100% 0.720" bobbin coil examination of all straight tube sections in Rows 1 through Row 4
- 100% 0.700" bobbin coil examination in the U-bend region of Rows 3 and 4
- 100% +Point inspection of all tube support plate (TSP) distorted signal indications (DSI)
- 100% +Point inspection of all TSP mix residual signals  $\geq 2$  volts
- 100% +Point inspection of dented hot leg TSP intersections  $\geq 5$  volts
- 100% +Point inspection of  $> 2$  volts but  $< 5$  volts dents at the 1st, 2nd, 3rd, and 4th hot leg TSPs
- 100% +Point inspection of TSP mix residuals  $\leq 55$  degrees phase and  $\geq 1.25$  volts
- 100% +Point inspection in each steam generator (SG) from 6" above to 3" below the hot leg top-of-tubesheet (TTS)
- 100% +Point inspection of the Row 1 and 2 small radius U-bend region in each SG
- 100% +Point inspection of freespan dings  $> 5$  volts
- 100% +Point inspection of freespan signals not resolved as Manufacturing Burnish Marks
- 100% +Point inspection of dents at anti-vibration bar (AVB) intersections

A001

7 - Beaver Valley Power Station, Unit No. 2  
2R11 Steam Generator Tube Plug Special Report  
L-05-083  
Page 2

100% +Point inspection of bulges within the hot and cold leg tubesheet above the neutral axis  
20% +Point inspection of TSP mix residual signals > 1.5 volts but < 2 volts  
20% +Point inspection of the Rows 3 through 8 U-bend region in each SG  
20% +Point inspection of bobbin coil AVB wear indications  
20% +Point inspection of > 2 volts but < 5 volts dents at the 5th hot leg TSP

The complete and detailed results of the 2R11 steam generator tube inspections will be submitted within the next 12 months in accordance with BVPS No. 2 Technical Specification 4.4.5.5.b.

No new commitments are contained in this submittal. If there are any questions concerning this matter, please contact Mr. Larry R. Freeland, Manager, Regulatory Compliance at 724-682-4284.

Sincerely,

  
L. William Pearce

Attachment

c: Mr. T. G. Colburn, NRR Senior Project Manager  
Mr. P. C. Cataldo, NRC Sr. Resident Inspector  
Mr. S. J. Collins, NRC Region I Administrator

**ATTACHMENT 1 TO L-05-083**

	<b>2RCS- SG21A</b>	<b>2RCS- SG21B</b>	<b>2RCS- SG21C</b>
<b>Number of tubes removed from service prior to 2R11</b>	<b>137</b>	<b>126</b>	<b>122</b>
<b>Number of tubes removed from service during 2R11</b>	<b>14</b>	<b>34</b>	<b>7</b>
Axial Indications Above the Hot Leg Tubesheet	1	5	1
Circumferential Indications Above the Hot Leg Tubesheet	4	4	
Circumferential Indications Within the Hot Leg Tubesheet	9	22	5
Volumetric Indication Within Hot Leg Tubesheet		1	
Confirmed Tube Support Plate Distorted Signals		2	
Permeability Variation			1
<b>Number of tubes removed from service after 2R11</b>	<b>151</b>	<b>160</b>	<b>129</b>