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U. 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
2R08 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, the following is submitted:

One hundred percent (100%) of the inservice tubes from Rows 3 through 46 in Steam Generators 2RCS-SG21A, -SG21B and -SG21C were examined full length with bobbin coil probes. In-service tubes in Rows 1 and 2 were examined with bobbin coil probes through the uppermost tube support plate in each leg. The U-bend regions of the tubes in Rows 1 and 2 were examined with single coil Plus Point probes. A twenty percent (20%) random sample of the Row 3 U-bend region was also examined with single coil Plus Point probes. Mid-range and high frequency Plus Point probes were used for these low row U-bend examinations.

Three coil Plus Point probes were used to examine the following:

- (a) 100% of the hot leg top-of-tubesheet region in each steam generator,
- (b) distorted or ambiguous bobbin signals,
- (c) 20% of dents & free-span dings ≥ 2.00 volts but < 5.00 volts located between the top of the hot leg tubesheet and the third hot leg support plate.
- (d) 100% of the dents ≥ 5.00 volts, located at tube support plate intersections.

All circumferential indications located at the top of the hot leg tubesheet were stabilized prior to removing the tube from service.

Examination of the generator (2RCS-SG21B) used to meet the Technical Specification surveillances resulted in a total of twenty (20) tubes being removed from service.

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Attachment 1 lists the number of tubes removed from service from each steam generator during 2R08.

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

If there are any questions concerning this matter, please contact Mr. Thomas S. Cosgrove, Manager, Licensing at 724-682-5203.

Sincerely,



Lew W. Myers

c: Mr. L. J. Burkhart, Project Manager
Mr. D. M. Kern, Sr. Resident Inspector
Mr. H. J. Miller, NRC Region I Administrator

Attachment 1

Listed below is a summary of tubes removed from service in each steam generator:

	2RCS-SG21A	2RCS-SG21B	2RCS-SG21C
Number of tubes previously removed from service prior to 2R08:	88	81	91
Number of tubes removed from service during 2R08:	18	20	6
Bases:			
Circumferential Indications @ Hot Leg Tubesheet	7	10	4
Axial Indications @ Hot Leg Tubesheet	2	3	1
*Axial & Circumferential Indications @ Hot Leg Tubesheet	0	1	1
Volumetric Indication @ Hot Leg Tubesheet	1	3	0
Non Quantifiable Indication @ Hot Leg Tubesheet	1	0	0
Volumetric Indication @ Cold Leg Tube End (+16.10")	1	0	0
Volumetric Indications @ TSP 1C (Loose Parts)	4	0	0
Confirmed Distorted Support Plate Indication @ TSP 2H	0	1	0
AVB Wear (AVB 2)	1	0	0
Administratively Plugged (3 tubes) { Row 1/Row 2 U-bend Indications	0	2	0
{ Tube Restricted in Row 1 U-Bend Region	1	0	0
Number of tubes removed from service after 2R08	106	101	97
Percentage of tubes plugged after 2R08	3.14%	2.99%	2.87%

* These are NOT mixed mode indications. They lie at different elevations axially as well as circumferentially.