



Duquesne Light Company

Beaver Valley Power Station
P.O. Box 4
Shippingport, PA 15077-0004

THOMAS P. NOONAN
Division Vice President
Nuclear Operations

May 3, 1996
NPD1VPO:0472

(412) 393-7622
Fax (412) 393-4905

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Special Report

In accordance with Appendix A, Beaver Valley Technical Specification 4.4.5.5.c, "Steam Generators", the following Special Report is submitted. This report is required to document, prior to resumption of plant operation, the results of steam generator tube inspections which fall into technical specification Category C-3.

Technical Specification 4.4.5.5.c:

The RC-E-1A steam generator was pre-designated as the generator required to be sampled during this inspection interval. Examination of the RC-E-1A steam generator resulted in the designation as defective a total of seventy-nine (79) tubes. These defective tubes were identified using the Plus Point Probe examination of the hot leg top-of-tubesheet region. These tubes were removed from service through tube plugging. Three additional tubes were removed from service in the 1A steam generator, one due to Cold Leg Thinning and two due to Row 1 U-Bend indications.

The primary degradation mechanism affecting the Beaver Valley Power Station Unit 1 Steam Generators is Outside Diameter Stress Corrosion Cracking (ODSCC) at the hot leg top-of-tubesheet in the sludge pile regions and at tube support plate intersections.

090025

9605090121 960503
PDR ADOCK 05000334
PDR

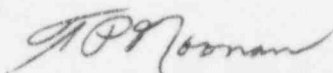


ADD 1/6

May 3, 1996
NPD1VPO:0472
Page 2

Boric acid addition to the secondary water is continuing in an effort to reduce the propensity for ODSCC. Additionally, secondary water chemistry molar ratio control has been implemented to further mitigate the growth and propagation of ODSCC. Sludge lancing the secondary side top-of-tubesheets has been performed to remove accumulated sludge that contributes to the formation of the aggressive environment that can result in the initiation of ODSCC in this region. Furthermore, secondary water chemistry control is optimized to keep corrosion product transport to the steam generators as low as possible to minimize the accumulation of new sludge during the operating cycle.

Sincerely,



T. P. Noonan
Division Vice President
Nuclear Operations/Plant Manager

GFZ/nlc

May 3, 1996
NPD1VPO:0472
Page 3

cc: Mr. T. T. Martin, Regional Administrator
United States Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406

Mr. D. S. Brinkman
BVPS Licensing Project Manager
United States Nuclear Regulatory Commission
Washington, DC 20555

Mr. Larry Rossbach
BVPS Senior Resident Inspector
United States Nuclear Regulatory Commission

Mr. J. A. Hultz
Ohio Edison Company
76 S. Main Street
Akron, OH 44308

Mr. Mark Burns
Centerior Energy Corporation
6200 Oak Tree Boulevard
Independence, OH 44101-4661

INPO Records Center
700 Galleria Parkway
Atlanta, GA 30339-5957

Mr. Robert Maiers
Department of Environmental Resources
P.O. Box 8469
State Office Building, 13th Floor
Harrisburg, PA 17105-8469

Director, Safety Evaluation & Control
Virginia Electric & Power Company
P.O. Box 26666
One James River Plaza
Richmond, VA 23261