

# Duquesne Light Company

Beaver Valley Power Station  
P.O. Box 4  
Shippingport, PA 15077-0004  
(412) 393-5206  
(412) 643-8069 FAX

GEORGE S. THOMAS  
Division Vice President  
Nuclear Services  
Nuclear Power Division

January 8, 1996

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

**Subject: Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-66  
Updated Inservice Testing Program, Issue 2, Revision 13**

The purpose of this submittal is to provide the Nuclear Regulatory Commission (NRC) with an informational copy of revisions to the Beaver Valley Power Station Unit 1 (BVPS-1) Inservice Testing (IST) Program.

Enclosure 1 provides a summary of the IST program changes which have been incorporated into Issue 2, Revision 13.

Enclosure 2 is Issue 2, Revision 13 of the BVPS-1 IST Program. It has been determined that the Revision 13 IST program changes do not require NRC approval prior to implementation. This determination was made because all of the changes are either:

- editorial in nature, or
- in compliance with the 1983 Edition through Summer 1983 Addenda of the ASME Boiler and Pressure Vessel Code, Section XI, or
- in compliance with the positions delineated in Attachment 1 or Supplement 1 of Generic Letter No. 89-04, "Guidance on Developing Acceptable Inservice Testing Programs."

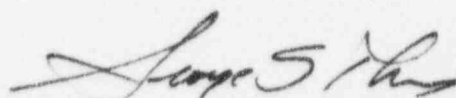
190006

9601190086 960108  
PDR ADOCK 05000334  
P PDR

A047  
1/1

If you have any questions regarding this submittal, please contact Mr. Roy K. Brosi, Manager, Nuclear Safety Department at (412) 393-5210.

Sincerely,

A handwritten signature in cursive script, appearing to read "George S. Thomas".

George S. Thomas

c: Mr. L. W. Rossbach, Sr. Resident Inspector  
Mr. T. T. Martin, NRC Region I Administrator  
Mr. D. S. Brinkman, Sr. Project Manager

**ENCLOSURE 1**

BEAVER VALLEY UNIT 1 IST PROGRAM

SUMMARY OF CHANGES

Issue 2, Revision 13

ENCLOSURE 1

SUMMARY OF CHANGES TO THE UNIT 1 IST PROGRAM (REV. 13)

- I) The following changes made to the Unit 1 IST Program are in accordance with the ASME XI Code, Generic Letter 89-04 and Supplement 1 (NUREG-1482):
- A) Added CSJ 34 for [1CH-152, 153, 154], the Charging Pump Mini-Flow Check Valves. These valves can only be full-stroke tested by using a non-intrusive technique and therefore will only be tested during Cold Shutdowns. (pages 169 and 170) Also revised the "Valve Testing Outlines" Section to call the quarterly test a partial stroke and to add reference to CSJ 34. (page 87)
  - B) Added CSJ 35 for [1FW-50, 51, 52, 68, 69, 70], the AFW Pump Lube Oil Cooler Line Check Valves. These valves can only be full-stroke tested by using a nonintrusive technique and therefore will only be tested during Cold Shutdowns. (pages 171 and 172) Also revised the "Valve Testing Outlines" Section to call the quarterly test a partial stroke and to add reference to CSJ 35. (page 124)
  - C) Changed the valve category to "A" instead of "A/P" for [MOV-1CH-142], the Residual Heat Removal Letdown to the Chemical and Volume Control System, and added a stroke and time test during Cold Shutdowns. This was done because this containment isolation valve may be open during Mode 4 and may have to be closed. (page 86) Also added CSJ 36 with the basis for stroking at the CSD frequency. (page 173)
  - D) Added a stroke and time test in the closed direction for [SOV-1RC-102A, 102B, 103A, 103B, 104, 105], the Reactor Vessel Head Vent Valves, in order to be consistent with Unit 2. (page 83) Also revised CSJ 1 to reference the closed stroke test. (page 149)
  - E) Deleted [TV-11M-100A1, A2], because they were removed from the plant. (page 104) Added [1CV-57, 58, 59, 60], the sealed shut manual valves that are the new containment isolation valves. (page 103) Also revised RRI to reflect these changes. (page 176)
- II) The following changes made to the Unit 1 IST Program are editorial:
- A) Revised the "NSA" to Shut for sample valves [TV-1SS-102A1, 102A2, 105A1, 105A2]. (pages 106 and 107)
  - B) Revised the reverse direction test number referenced for [1RW-95, 96, 97] to 10ST-30.2, 3, 6. (page 129)
  - C) Revised the stroke and time test number referenced for [TV-1VS-101C, 101D, 101E] to 1/20ST-44A.11. (page 141)

ENCLOSURE 1

SUMMARY OF CHANGES TO THE UNIT 1 IST PROGRAM (REV. 13)

- D) Deleted "not to exceed every 2 years" from the sentence describing Appendix J leak testing. 10CFR50 Appendix J already contains the frequency requirements. In addition, the revision of Appendix J may not require testing every 2 years. (page 77)
- E) Deleted the following valves from the IST Program because they are not in the IST Scope per IWV-1100 or are excluded per IWV-1200:  
[MOV-1CH-370, 373] - these valves are de-energized open and no longer perform a function in shutting down a reactor or in mitigating the consequences of an accident. (page 89)  
[1DA-104, 134] - these manual valves are for maintenance only. (page 138)
- F) Deleted the temperature and Mode requirements specified in the Alternate Test of CSJ 24 for [TV-MS-101A, 101B, 101C], the Main Steam Isolation Valves. Tech. Spec Amendment No. 162 deleted mention of the specific conditions for testing. (page 162)
- G) Added MOP Curves to the "Pump Minimum Operating Point (MOP) Curves" section of the IST Program for the following pumps:  
[1CH-P-1A, 1B, 1C] - Charging/HHSI Pumps (page 40)  
[1CH-P-2A, 2B] - Boric Acid Transfer Pumps (pages 41 and 42)  
[1RH-P-1A, 1B] - Residual Heat Removal Pumps (pages 43 and 44)  
[1SI-P-1A, 1B] - Low Head Safety Injection Pumps (page 45)  
[1QS-P-1A, 1B] - Quench Spray Pumps (pages 46 and 47)  
[1RS-P-1A, 1B] - Inside Recirculation Spray Pumps (pages 48 and 49)  
[1RS-P-2A, 2B] - Outside Recirculation Spray Pumps (pages 50 and 51)  
[1WR-P-1A, 1B, 1C] - Reactor Plant River Water Pumps (pages 58 - 60)  
Also deleted the Note preceding the MOP Curves Section and added pages saying "In Development" for [1CC-P-1A, 1B, 1C]. (pages 52 - 54)
- H) Added reference to Supplement 1 of Generic Letter 89-04, NUREG-1482, to the Pump and Valve Testing Requirements Sections. (pages 2 and 75)
- I) Added the words "(accuracy and range)" to define accurate in the Pump Testing Requirements Section under the pump curve discussion. (page 4)
- J) Added the word "centrifugal" to the paragraph describing MOP Curves - Curves are not included for positive displacement pumps. (page 5)

**ENCLOSURE 2**

**BEAVER VALLEY UNIT 1 IST PROGRAM**

Issue 2, Revision 13