

December 30, 1992

JOHN D. SILBER
Vice President, Nuclear Group

412-393-5255

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Beaver Valley Power Station, Unit No. 1 and No. 2
BV-1 Docket No. 50-334, License No. DPR-66
BV-2 Docket No. 50-412, License No. NPF-73
Revision to SER for Amendments 165 and 47
(TAC Nos. M77638 and M77639)

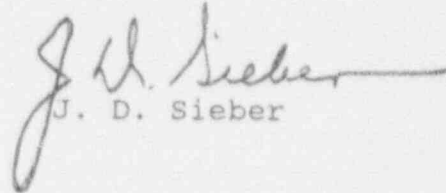
In the Safety Evaluation Report (SER) provided by the Nuclear Regulatory Commission (NRC) for the subject amendments, references number 5 (Unit 1) and 6 (Unit 2) titled "Containment Liner Test Channels at Beaver Valley Power Station" were used to make the determination that the corrosion rates inside the test channels with missing vent plugs are not large enough to significantly degrade the containment. After further evaluation, it was concluded that the above referenced reports contain some non-conservative assumptions with regard to the effect of electrolyte oxygen concentration on the corrosion rates in the test channels. NRC approval of the amendments was based, in part, on an expected worst case corrosion rate of 88 mils over a forty-year lifetime. Subsequent assessments of corrosion rates indicate that, with proper corrective actions, the expected corrosion rates will range between 6.8 and 15.6 mils over a forty-year lifetime.

The information contained in Attachment 1 provides a summary of our remedial action plan for each Unit which will ensure that the corrosion rates inside the test channels which were found with missing vent plugs remain within these assumptions. The remaining information in the referenced reports on the capability of the test channels to withstand all loads, which might be imposed on them during normal test and upset conditions without impairing the performance of the containment liner itself, is still valid and should continue to be referenced.

ADD 1/1

If you have any questions, please contact Mr. Steve Sovick at (412) 393-5211.

Sincerely,


J. D. Sieber

Attachment

cc: Mr. L. W. Rossbach, Sr. Resident Inspector
Mr. T. T. Martin, NRC Region I Administrator
Mr. A. W. De Agazio, Project Manager
Mr. T. M. Gerusky, Director BRP/DER
Mr. R. Janati, BRP/DER
Mr. M. L. Bowling (VEPCO)

ATTACHMENT 1

Enclosed is a summary of our remedial action plan for the containment liner test channels which were previously found to have missing vent plugs.

Containment Liner Vent Plug Remedial Action Plan

Unit 1 Actions -

During 8th Refueling Outage

1. Identify all accessible plugs
2. Verify that two (2) accessible vent plugs can be found for each channel segment found to have previously missing plugs.
3. Replace all accessible carbon steel plugs with stainless steel plugs (as time permits).
4. Attempt to flush and inert one channel segment to prove feasibility of approach.
5. Temporarily seal the channels to be inerted in 9R.

During 9th Refueling Outage

1. Perform the Type A test with all channel segments found to have previously missing plugs included within the test boundary.
2. Following successful Type A testing, all compromised channels are to be evacuated or flushed, filled with Argon gas, and sealed.
3. No further actions are required, provided the Unit 2 4R Activity 2 is successful.

Unit 2 Actions -

During the 3rd Refueling Outage

1. Identify all accessible plugs
2. Verify that two (2) accessible vent plugs can be found for each channel segment found to have previously missing plugs.
3. Replace all accessible carbon steel plugs with stainless steel plugs (as time permits).
4. Flush and inert compromised channel segments per 2BVT02.47.04.
5. Seal all compromised channels following inerting.

During 4th Refueling Outage

1. Perform the Type A test.
2. Following successful Type A testing, open one channel, filled with Argon gas in 3R, and test for the presence of corrosion by-product gases
3. If no corrosion by-product gases are found, re-inert and seal the channel