

April 3, 2008

Mr. Peter P. Sena III
Site Vice President
FirstEnergy Nuclear Operating Company
Mail Stop A-BV-SEB-1
P.O. Box 4, Route 168
Shippingport, PA 15077

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR THE REVIEW OF THE
BEAVER VALLEY POWER STATION, UNITS 1 AND 2, LICENSE RENEWAL
APPLICATION (TAC NOS. MD6593 AND MD6594)

Dear Mr. Sena:

By letter dated August 27, 2007, FirstEnergy Nuclear Operating Company submitted an application pursuant to 10 CFR Part 54, to renew the operating licenses for Beaver Valley Power Station, Units 1 and 2, for review by the U.S. Nuclear Regulatory Commission (NRC or the staff). The staff is reviewing the information contained in the license renewal application and has identified, in the enclosure, areas where additional information is needed to complete the review. Further requests for additional information may be issued in the future.

Items in the enclosure were discussed with Mr. Cliff Custer of your staff, and a mutually agreeable date for the response is within 30 days from the date of this letter. If you have any questions, please contact me at 301-415-2989 or by e-mail to klh1@nrc.gov.

Sincerely,

/RA/

Kent L. Howard, Sr., Project Manager
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-334 and 50-412

Enclosure:
As stated

cc w/encl: See next page

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OFFICE	LA:DLR	RER1:DLR	PM:RPB2:DLR	BC:RPB2:DLR
NAME	IKing	JDavis	KHoward	RFranovich
DATE	4/3/08	3/24/08	3/24/08	4/3/08

OFFICIAL RECORD COPY

BEAVER VALLEY POWER STATION, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION
REQUEST FOR ADDITIONAL INFORMATION (RAI)
SECTIONS B.2.8, B.2.30, AND B.2.31

Section B.2.8

RAI B.2.8-1

There are two parts to operating experience. Standard Review Plan (SRP) Section A.1.2.3.10-1 states that operating experience with existing programs should be discussed. SRP Section A.1.2.3.10-2 states that an applicant may have to commit to providing operating experience in the future to confirm their effectiveness.

A number of SRP sections discuss operating experience with buried components. For instance, SRP Section 3.4.3.2.5-2 states that the buried piping and tanks inspection program relies on industry practice, frequency of pipe excavation, and operating experience to manage the effects of loss of material from general corrosion, pitting, crevice corrosion, and MIC. The reviewer reviews the applicant's program, including inspection frequency and operating experience with buried components, to assess the effectiveness of the buried piping and tanks inspection program in ensuring that corrosion is not occurring and that the component's intended function will be maintained during the period of extended operation.

Have you had any major replacements of buried piping at Beaver Valley Power Station (BVPS)? Provide the details, such as original piping material, replacement piping material, coating type, and approximate date replaced.

Section B.2.30

RAI B.2.30-1

The generic aging lessons learned (GALL) report states in Section IX.B that:

“Tanks, in deference to piping and piping components, are large reservoirs used as hold-up volumes for liquids or gases. Tanks may have an internal liquid space and/or vapor space and may also be situated in proximity to soils or concrete on the exterior surface. Tanks are treated in GALL '05 as a separate commodity due to the potential need for a different aging management regime for piping.

The following is one example of aging management for tanks in GALL '05. Steel tanks with bottoms in a soil or concrete environment have general corrosion as the aging effect for the interface between soil or concrete and the bottom of the tank. Degradation of the tank bottoms in these aboveground steel tanks can be managed by the GALL AMP XI.M29, Aboveground Steel Tanks.”

How do you manage the effects of aging for aboveground tanks that are located outside in addition to the volumetric inspection that is part of the One-Time Inspection (OTI) Program? What materials are used to construct the aboveground tanks? What is your operating history with aboveground tanks?

ENCLOSURE

Section B.2.31

RAI B.2.31-1

The OTI of ASME Class 1 Small Bore Piping involves a volumetric examination of piping less than four inches normal pipe size. The staff concluded that if any socket welds are classified as high-safety significant as part of a risk informed in-service inspection program, special significance should be given to these welds as part of the OTI of ASME Class 1 Small Bore Piping Program. Have any small bore socket welds been classified as high-safety significant in the BVPS risk informed in-service inspection program? How will these socket welds be treated?

Letter to P. Sena from K. Howard, dated, April 3, 2008

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Beaver Valley Power Station,
Units 1 and 2

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Beaver Valley Power Station,
Units 1 and 2

- 2 -

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