

October 10, 2006

Mr. James H. Lash  
Site Vice President  
FirstEnergy Nuclear Operating Company  
Beaver Valley Power Station  
Mail Stop A-BV-SEB1  
P.O. Box 4, Route 168  
Shippingport, PA 15077

SUBJECT: NRC RECEIPT OF BEAVER VALLEY POWER STATION, UNIT NOS. 1 AND 2, (BVPS-1 AND 2) RESPONSE TO GENERIC LETTER (GL) 2003-01 "CONTROL ROOM HABITABILITY" (TAC NOS. MB9772 AND MB9773)

Dear Mr. Lash:

The Nuclear Regulatory Commission (NRC) acknowledges the receipt of your responses to GL 2003-01 "Control Room Habitability," dated December 5, 2003 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML033430285), and March 22, 2004 (ADAMS Accession No. ML040850103). This letter provides a status of your response and describes any additional information that may be necessary to consider your response to GL 2003-01 complete.

GL 2003-01 requested that you confirm that your control room meets your design bases (e.g., Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, Appendix A, "General Design Criteria [GDC]," 1, 3, 4, 5, and 19, draft GDC, or principal design criteria), with special attention to: (1) determination of the most limiting unfiltered and/or filtered inleakage into the control room and comparison to values used in your design bases for meeting control room operator dose limits from accidents (GL Item 1a); (2) determination that the most limiting unfiltered inleakage is incorporated into your hazardous chemical assessments (GL Item 1b); and, (3) determination that reactor control capability is maintained in the control room or at the alternate shutdown location in the event of smoke (GL Item 1b). The GL further requested information on any compensatory measures in use to demonstrate control room habitability, and plans to retire them (GL Item 2).

You reported the results of ASTM E741 tracer gas tests for the BVPS-1 and 2 Control Room. You determined that the tested value for inleakage into the Control Room Envelope (CRE), was 5.41 scfm, which was less than the value of 10 cfm assumed in the design-basis radiological analyses for Control Room Habitability (CRH).

You indicated that unfiltered inleakage is not specifically incorporated into the hazardous chemical assessment because toxic gases are not considered to be a threat based on hazard screening performed on chemicals stored onsite or transported near the BVPS. You also indicated that reactor control capability is maintained from either the control room or the alternate shutdown panel in the event of smoke.

J. Lash

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The information you provided also supported the fact that there are no compensatory measures in place to demonstrate control room habitability.

The GL further requested that you assess your Technical Specifications (TSs) to determine if they verify the integrity of the CRE, including ongoing verification of the inleakage assumed in the design basis analysis for control room habitability, and in light of the demonstrated inadequacy of a delta ( $\Delta$ ) P measurement to alone provide such verification (GL Item 1.c). As permitted by the GL, in your December 5, 2003, response, you provided a schedule for revising the surveillance requirement in the TS to reference an acceptable surveillance methodology. In your March 22, 2004, letter, you revised your commitment date for submitting the revised surveillance TS from "within 180 days of the submittal date of this response to Generic Letter 2003-01" to "within 180 days of NRC approval of TSTF-448."

Your commitment to submit a LAR based on TSTF-448, following our formal review and approval, is acceptable for purposes of closing out your response to GL 2003-01. The NRC staff will monitor submission of the LAR and interact with you as necessary during the amendment process.

If you have any questions regarding this correspondence, please contact me.

Sincerely,

*/RA/*

Timothy G. Colburn, Senior Project Manager  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-334 and 50-412

cc: See next page

The information you provided also supported the fact that there are no compensatory measures in place to demonstrate control room habitability.

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Timothy G. Colburn, Senior Project Manager  
 Plant Licensing Branch I-1  
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 Office of Nuclear Reactor Regulation

Docket Nos. 50-334 and 50-412

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