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November 14, 2005  
L-05-179

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

**Subject: Beaver Valley Power Station, Unit Nos. 1 and 2  
BV-1 Docket No. 50-334, License No. DPR-66  
BV-2 Docket No. 50-412, License No. NPF-73  
Supplement to Responses to Request for Additional Information  
dated March 28, 2005 in Support of License Amendment Request  
Nos. 317 and 190**

By letter dated March 28, 2005, the U.S. Nuclear Regulatory Commission (NRC) issued a request for additional information (RAI) relative to FirstEnergy Nuclear Operating Company (FENOC) license amendment requests 317 and 190 (Reference 1). Responses to this RAI were provided in Attachment A of FENOC letter L-05-079 dated May 12, 2005 (Reference 2). Question 3(b) of the March 28, 2005 RAI requested information such that the NRC staff could perform an independent analysis of the mass and energy release from a loss of coolant accident (LOCA) after one hour for a net positive suction head (NPSH) analysis. During meetings held the week of November 7, 2005, the staff verbally requested information to supplement the response provided to Question 3(b) of the March 28, 2005 RAI. Attachment A of this letter provides the requested supplemental information.

The supplemental information contained in this transmittal has no impact on the proposed Technical Specification changes or the no significant hazards consideration, transmitted by Reference 1.

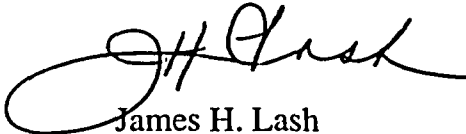
No new commitments are contained in this submittal. If you have questions or require additional information, please contact Mr. Gregory A. Dunn, Manager, Fleet Licensing at 330-315-7243.

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I declare under penalty of perjury that the foregoing is true and correct. Executed on  
November 14, 2005.

Sincerely,



James H. Lash

Attachment:

A. Supplemental Information for responses to RAI dated March 28, 2005

References:

1. FENOC Letter L-04-073, License Amendment Requests 317 and 190, dated June 2, 2004.
  2. FENOC Letter L-05-079, Responses to a Request for Additional Information in Support of License Amendment Request Nos. 317 and 190, dated May 12, 2005.
- c: Mr. T. G. Colburn, NRR Senior Project Manager  
Mr. P. C. Cataldo, NRC Senior Resident Inspector  
Mr. S. J. Collins, NRC Region I Administrator  
Mr. D. A. Allard, Director BRP/DEP  
Mr. L. E. Ryan (BRP/DEP)

## **L-05-179 Attachment A**

### **Supplemental Information for responses to RAI dated March 28, 2005**

The following information is provided to supplement the response to Question 3(b) of the March 28, 2005 RAI which was provided in Attachment A of FENOC letter L-05-079 dated May 12, 2005. This information was verbally requested by the staff during meetings held the week of November 7, 2005.

The information is provided such that the NRC staff could perform an independent analysis of the mass and energy release from a loss of coolant accident (LOCA) after one hour for a net positive suction head (NPSH) analysis. The tables below provide the requested data for containment sump temperature vs. time and the containment assumptions for back-pressure vs. time for a LOCA event applicable to BVPS Unit No. 1.

<b>Containment Sump Temperature</b>	
<b>Time (seconds)</b>	<b>Temperature (°F)</b>
2,900	186
6,000	162
10,000	158
20,000	148

<b>Assumed Containment Back-Pressure</b>	
<b>Time</b>	<b>Pressure (psia)</b>
0 to 1273 seconds	60
1273 to 1547.89 seconds	27
1547.89 seconds to 1 hour	25
1 hour to 6 hours	14.7