

**Paul A. Harden**  
Site Vice President724-682-5234  
Fax: 724-643-8069June 11, 2012  
L-12-18410 CFR 50.54(f)  
10 CFR 50.46  
10 CFR 2.390ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
11555 Rockville Pike  
Rockville, MD 20852**SUBJECT:**

Beaver Valley Power Station, Unit Nos. 1 and 2  
Docket No. 50-334, License No. DPR-66  
Docket No. 50-412, License No. NPF-73  
Response to Nuclear Regulatory Commission Request for Additional Information  
Regarding the Estimated Effect on Peak Cladding Temperature Resulting from  
Thermal Conductivity Degradation in the Westinghouse-Furnished Realistic  
Emergency Core Cooling System Evaluation (TAC Nos. ME8409 and ME8410)

By letter dated March 16, 2012 (Accession No. ML12079A111), FirstEnergy Nuclear Operating Company (FENOC) submitted a response to a Nuclear Regulatory Commission (NRC) information request made pursuant to 10 CFR 50.54(f) for Beaver Valley Power Station, Unit Nos. 1 and 2 (Accession No. ML120400672). The requested information was related to the estimated effect on peak cladding temperature resulting from thermal conductivity degradation in the Westinghouse Electric Company LLC (Westinghouse) furnished realistic emergency core cooling evaluation. In accordance with 10 CFR 50.46(a)(3), FENOC's response to the NRC request also served as a 30-day report of a significant emergency core cooling system evaluation model change or error. By letter dated May 4, 2012 (Accession No. ML121150501), the NRC requested additional information to complete its review of FENOC's March 16, 2012 response.

Attachment 1 provides a proprietary version of the response to the NRC's May 4, 2012 request for additional information. An affidavit from Westinghouse, the owner of the proprietary information that is sought to be withheld pursuant to 10 CFR 2.390, is provided in Enclosure A. Attachment 2 provides a nonproprietary version of the response. FENOC requests that the Westinghouse proprietary information provided in Attachment 1 be withheld from public disclosure. Once Attachment 1 has been separated from this letter, the letter can be decontrolled.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Phil H. Lashley, Supervisor – Fleet Licensing, at (330) 315-6808.

I declare under penalty of perjury that the foregoing is true and correct. Executed on June 11, 2012.

Sincerely,



Paul A. Harden

Attachments:

- 1 Response to NRC Request for Additional Information Regarding 10 CFR 50.46, 30-Day Report (Proprietary Version)
- 2 Response to NRC Request for Additional Information Regarding 10 CFR 50.46, 30-Day Report (Nonproprietary Version)

Enclosure:

A 10 CFR 2.390 Affidavit for Westinghouse Electric Company LLC

cc: NRC Region I Administrator (without Attachment 1)  
NRC Resident Inspector (without Attachment 1)  
NRC Project Manager (without Attachment 1)  
Director BRP/DEP (without Attachment 1)  
Site BRP/DEP Representative (without Attachment 1)