



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

November 29, 2011

Mr. Paul A. Harden  
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: BEAVER VALLEY POWER STATION, UNIT NOS. 1 AND 2 - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING 60-DAY RESPONSE TO BULLETIN  
2011-01, "MITIGATING STRATEGIES" (TAC NOS. ME6400 AND ME6401)

Dear Mr. Harden:

On May 11, 2011, the U.S. Nuclear Regulatory Commission (NRC) issued Bulletin 2011-01, "Mitigating Strategies" (Agencywide Documents Access and Management System (ADAMS) Accession No. ML111250360), to all holders of operating licenses for nuclear power reactors, except those that have permanently ceased operation and have certified that fuel has been removed from the reactor vessel. The purpose of the bulletin was to obtain a comprehensive verification that licensees' mitigating strategies to maintain or restore core cooling, spent fuel cooling, and containment following a large explosion or fire were compliant with Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.54(hh)(2). The bulletin requested information on licensee 10 CFR 50.54(hh)(2) mitigating strategies in light of the recent events at Japan's Fukushima Daiichi facility to determine if (1) additional assessment of program implementation is needed, (2) the current inspection program should be enhanced, or (3) further regulatory action is warranted.

The bulletin required two sets of responses pursuant to the provisions of 10 CFR 50.54(f). The first responses were due 30 days after issuance of the bulletin (June 10, 2011). By two letters dated June 9, 2011 (ADAMS Accession Nos. ML111600247 and ML111640470), you provided a response to the first set of questions for Beaver Valley Power Station, Unit Nos. 1 and 2. The second responses were due 60 days after issuance of the bulletin (July 11, 2011). By letter dated July 11, 2011 (ADAMS Accession No. ML111930021), you responded to this second set of questions.

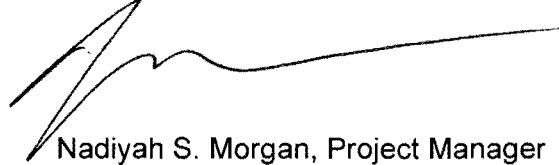
The NRC staff has reviewed the submitted information and determined that it needs additional information regarding your 60-day response to the bulletin. Please respond to the enclosed request for additional information within 30 days of the date of this letter.

P. Harden

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If you have any questions regarding this letter, please feel free to contact me at (301) 415-1016.

Sincerely,

A handwritten signature in black ink, appearing to read 'Nadiyah S. Morgan', with a long horizontal flourish extending to the right.

Nadiyah S. Morgan, Project Manager  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-334 and 50-412

Enclosure:  
As stated

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**NRC Bulletin 2011-01, "Mitigating Strategies"**  
**Request for Additional Information**  
**Beaver Valley Power Station, Unit Nos. 1 and 2**  
**Docket Nos. 50-334 and 50-412**

- 1. Describe in detail the maintenance or testing of monitor nozzles, spray nozzles, or similar devices to ensure that they will be functional when needed.**

The bulletin requested that each licensee describe in detail the maintenance and testing on equipment procured to support the mitigating strategies to ensure that it will be functional when needed. In the context of the mitigating strategies, these devices are commonly used for firefighting, spent fuel pool spray strategies, and as a means to reduce the magnitude of fission product releases. The NRC staff noted that your response indicates you cycle foam nozzles during inventory, but could not determine if you performed similar activities on other nozzles to ensure that these devices will be functional when needed.

- 2. Describe in detail how you ensure there is sufficient fuel for the pumping source when needed.**

The bulletin requested that each licensee describe in detail the maintenance of equipment supporting the mitigating strategies to ensure that it will be functional when needed. The NRC staff could not determine if you performed activities to ensure that sufficient fuel would be available for the pumping source so that it will be functional when needed.

Enclosure

P. Harden

- 2 -

If you have any questions regarding this letter, please feel free to contact me at (301) 415-1016.

Sincerely,

*/ra/*

Nadiyah S. Morgan, Project Manager  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-334 and 50-412

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