

generation  
**mPower**

September 4, 2013

10 CFR 52

U.S. Nuclear Regulatory Commission (NRC)  
ATTN: Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852-2738

Subject: Project No. PROJ0776  
Generation mPower LLC (GmP)  
Submittal of Valve Design Update, Control Rod Drive Mechanism (CRDM) Update, and  
Reactor Pressure Vessel (RPV) Internals Slides  
Ltr. No. LTR-13-0056

Reference: Letter, Hastings to Document Control Desk, *Submittal of GSI-191 Technical Report Overview and Integrated System Test Program Update Presentation Slides*, LTR-13-0040, dated July 10, 2013 (ML13197A194)

Technical meetings are scheduled to be conducted between GmP and NRC staff in Rockville, MD on September 16 and 17, 2013. On September 16, a meeting on the quality assurance program for the Integrated System Test Facility will be conducted to discuss proprietary and confidential information previously submitted to the NRC (See Reference). On September 17, a meeting with three sessions will be conducted regarding the topics noted in the above subject line. Participants for both meetings will include technical staff from GmP, B&W mPower, Bechtel, and NRC. GmP has requested that the meetings on both days be closed to the public because of the proprietary nature of the design information to be discussed.

Two sets of the slides for the September 17 meeting are enclosed with this letter. A portion of the information provided in the slides is considered proprietary information. GmP requests that the proprietary information within these slides be withheld from public disclosure in accordance with the requirements of 10 CFR 2.390. Enclosure 1 is a signed affidavit that provides the justification for withholding the proprietary information enclosed within brackets in Enclosures 2 through 4. Enclosures 5 through 7 are non-proprietary (redacted) versions of the slides for public release.

If you have any questions or need any additional information, please contact me at your convenience at (980) 365-2071 or at [pshastings@generationmpower.com](mailto:pshastings@generationmpower.com).



Peter S. Hastings  
Director of Licensing  
Generation mPower, LLC

- Enclosures:
1. Affidavit
  2. Valve Design Update Slides (Proprietary)
  3. Control Rod Drive Mechanism (CRDM) Update Slides (Proprietary)
  4. Reactor Pressure Vessel (RPV) Internals Slides (Proprietary)
  5. Valve Design Update Slides (REDACTED)
  6. Control Rod Drive Mechanism (CRDM) Update Slides (REDACTED)
  7. Reactor Pressure Vessel (RPV) Internals Slides (REDACTED)

cc: J. L. Starefos, NRC, TWFN 9-F-27  
Y. Malave, NRC, TWFN 9-F-27  
S. L. Magruder, Jr, NRC, TWFN 9-F-27

**Enclosure 1**  
**AFFIDAVIT of Peter S. Hastings**

## AFFIDAVIT OF PETER S. HASTINGS

State of North Carolina

County of Mecklenburg

I, Peter S. Hastings, being duly sworn, do hereby depose and say:

1. I am the Director of Licensing for Generation mPower LLC (GmP). I have been delegated the responsibility for reviewing information sought to be withheld from public disclosure in connection with information being submitted to U.S. Nuclear Regulatory Commission (NRC) related to the proposed mPower Plant design certification application and I am authorized to apply for its withholding from public disclosure on behalf of GmP.

2. I am making this affidavit in conformance with the provisions of 10 CFR 2.390 of the regulations of the NRC and in conjunction with GmP's application for withholding which accompanies this affidavit.

3. I have knowledge of the criteria used by GmP in designating information as sensitive, proprietary, or confidential. I am familiar with the information contained in presentation slides entitled "Valve Design Update," "Control Rod Drive Mechanism (CRDM) Update," and "Reactor Pressure Vessel (RPV) Internals." Information contained in these documents has been classified by GmP as sensitive, proprietary, or confidential in accordance with GmP procedures.

4. Pursuant to the provision of paragraph (a)(4) of 10 CFR 2.390, the following is furnished for consideration by the NRC in determining whether the information sought to be withheld from public disclosure should be withheld:

a) The information sought to be withheld from public disclosure is owned by or licensed to GmP and has been held in confidence by GmP, Babcock & Wilcox mPower, Inc. (B&W mPower), and their consultants.

b) The information sought to be protected is not publicly available to the best of our knowledge and belief.


c) The information is of the type that would customarily be held in confidence by GmP. This information includes GmP's and B&W mPower's conceptual and technical approaches regarding details of the design of the B&W mPower™ reactor systems, structures, and components and associated analysis, and classifications, disclosure of which could adversely affect our competitive position by informing competitors of the degree of maturity and viability of the program, thereby motivating them to increase efforts to develop competing technologies. All or parts of the approach described in the withheld material is patentable.

d) Release of the subject information will harm GmP because GmP will be put at a competitive disadvantage if its competitors in the small modular reactor market become aware of its proprietary information. In addition, GmP has contractual relationships with B&W mPower regarding proprietary information, and GmP is contractually obligated to seek confidential and proprietary treatment of such information.

e) The proprietary information sought to be withheld from public disclosure is identified and is marked as proprietary as it appears in the materials.

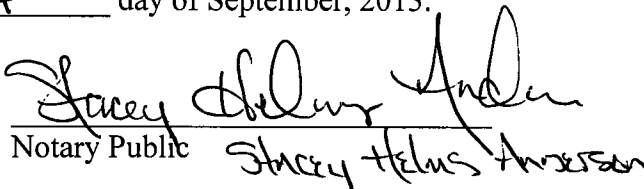
f) The information was transmitted to the NRC in confidence and under the provisions of 10 CFR 2.390; it is to be received in confidence by the NRC.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is a true and correct statement of facts.



Peter S. Hastings

Subscribed and sworn to before me this 4<sup>th</sup> day of September, 2013.



Notary Public

My commission expires: 4/10/17