



**babcock & wilcox mPower**

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June 25, 2013

MPWR-LTR-13-00034

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

Babcock & Wilcox mPower, Inc.  
Docket Number-PROJ0776  
Project Number-776

Subject: Submittal of Babcock & Wilcox mPower (B&W mPower) GSI-191 Technical Report

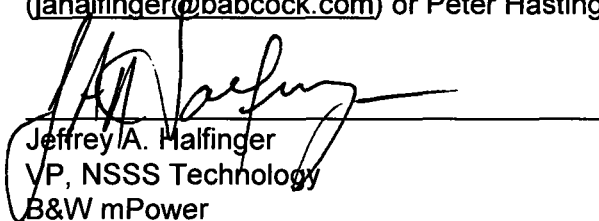
Reference: MPWR-LTR-12-00065, Submittal of the B&W mPower™ Approach to Satisfy GSI-191 (MPWR-EPP-005009), dated June 29, 2012

B&W mPower submitted the referenced report, entitled "B&W mPower™ Approach to Satisfy GSI-191" on June 29, 2012. During a November 2012 meeting with NRC staff, feedback was received on this report. As a result of NRC's feedback, we have prepared the attached "B&W mPower™ GSI-191 Technical Report," 11111-000-3TR-MECC-00009.

Some of the information in this report contains Confidential Commercial Information (CCI). Enclosure 1 is a signed affidavit that provides the justification for withholding the CCI information identified in this report.

Enclosure 2 is the complete report that contains CCI marked in brackets. We request that this version of the report be withheld from public disclosure in accordance with the requirements of 10 CFR 2.390. Enclosure 3 is the redacted version of the report that can be released to the public.

Any questions concerning this submittal may be directed to Jeff Halfinger at 434-316-7507 ([jahalfinger@babcock.com](mailto:jahalfinger@babcock.com)) or Peter Hastings at 980-365-2071 ([pshastings@generationmpower.com](mailto:pshastings@generationmpower.com)).



Jeffrey A. Halfinger  
VP, NSSS Technology  
B&W mPower

JAH/lms

Enclosures: 1. Affidavit  
2. B&W mPower™ GSI-191 Technical Report (CCI)  
3. B&W mPower™ GSI-191 Technical Report (Redacted)

cc: Joelle L. Starefos, NRC, TWFN 9-F-27  
Stewart L. Magruder, Jr., NRC, TWFN 9-F-27  
Peter Hastings, GmP

D104  
NRD

**Enclosure 1**  
**AFFIDAVIT of Jeffrey A. Halfinger**

Enclosure 1

AFFIDAVIT OF Jeffrey A. Halfinger

STATE OF VIRGINIA

CITY OF LYNCHBURG

I, Jeffrey A. Halfinger, being duly sworn, do hereby depose and say:

1. I am a citizen of the United States of America. I am a resident of Lynchburg, Virginia. My birth date is November 4<sup>th</sup>, 1961.

2. I am the Vice President, Babcock & Wilcox mPower (B&W mPower) NSSS Technology, located in Lynchburg, Virginia.

I have held this position since June 1, 2010. I have personal knowledge of the facts set forth in this affidavit, and if called and sworn as a witness in a deposition or before any court, I could and would testify competently under oath to these facts.

3. B&W mPower requests that the NRC withhold from public disclosure the information marked as "B&W Confidential Commercial Information" regarding certain design information being submitted to the NRC by the B&W mPower letter number MPWR-LTR-13-00034. This information is included in an enclosure to that letter: B&W mPower™ GSI-191 Technical Report (11111-000-3TR-MECC-00009).

4. I have personal knowledge of the criteria and procedures used by B&W mPower in designating confidential commercial or financial information as proprietary and have been delegated the function to review the information to identify proprietary information and authorized to apply for its withholding. The need for confidentiality is driven by the following:

a) The information requested to be withheld reveals the distinguishing aspects of a process (or component, structure, tool, method, etc.) whose use by any of B&W mPower's competitors, without a license from the submitter, would constitute a competitive economic disadvantage to B&W mPower.

b) Use by a competitor of the information requested to be withheld would reduce a competitor's expenditure of resources, or improve its competitive position, in the

design, manufacture, shipment, installation, assurance of quality, or licensing of a similar product.

c) The information requested to be withheld is currently supported by the Department of Energy under award Number DE-NE0000583. All or parts of the information requested to be withheld reveal aspects of privately funded development plans or programs of commercial value to B&W mPower that were developed prior to Department of Energy support.

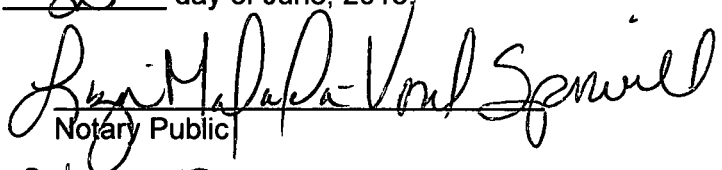
d) The information requested to be withheld consists of patentable ideas.

5. Specifically, the information identified in paragraph 3 above, is classified as proprietary because B&W mPower has developed the conceptual and technical approaches regarding details of the design of the B&W mPower™ Reactor systems, structures, and components and associated analysis, disclosure of which could adversely affect B&W mPower's competitive position by informing competitors of the degree of maturity and viability of the design, thereby motivating them to increase efforts to develop competing technologies. These features of the reactor design were privately funded by B&W mPower and are of commercial value to B&W mPower because of their nature in providing key elements of the B&W mPower™ reactor design analysis. All or parts of the approach described in the withheld material is patentable.

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.

  
\_\_\_\_\_  
Jeffrey A. Halfinger

Subscribed and sworn to before me this 25<sup>th</sup> day of June, 2013,

  
\_\_\_\_\_  
Notary Public

My commission expires: 12-31-2013

