

January 16, 2014

MEMORANDUM TO: Stewart L. Magruder, Branch Chief  
Small Modular Reactor Licensing Branch I  
Division of Advanced Reactors and Rulemaking  
Office of New Reactors

FROM: Demetrius Murray, Project Manager  
Small Modular Reactor Licensing Branch I /RA/  
Division of Advanced Reactors and Rulemaking  
Office of New Reactors

SUBJECT: FORTHCOMING CLOSED MEETINGS WITH THE NUCLEAR  
REGULATORY COMMISSION AND GENERATION MPOWER  
LLC. REGARDING VARIOUS DESIGN TOPICS

DATE AND TIME: Tuesday, January 28, 2014  
8:30 a.m. - 4:15 p.m.

Wednesday, January 29, 2014  
8:30 a.m. - 4:30 p.m.

LOCATION: U.S. Nuclear Regulatory Commission (NRC)  
Room 3WFN -1C03 & 1C05  
Three White Flint North  
11601 Landsdown Street  
North Bethesda, MD 20852

PURPOSE: The purpose of this meeting is discuss updates and various aspects of the mPower design. Day one topics include; emergency core cooling update, reactor coolant inventory system overview, IIV design update, design phase reliability assessment program, and ASME code update. The second day topics include; topics include; instrumentation and control diversity and defense-in-depth and architecture, gale code, severe accident mitigation design alternative (public portion), flywheel report overview, and the departure from nucleate boiling report.

PARTICIPANTS: Participants from the United States Nuclear Regulatory Commission (NRC) include members of the Office of New Reactors (NRO). Participants will also be in attendance from Generation mPower LLC., and Babcock & Wilcox.

S. Magruder

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MEETING CONTACTS:

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Docket No.: PROJ0776

Enclosure: Agenda

cc: B&W mPower Listserv

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**NRC-001**

<b>OFFICE</b>	PM:NRO/DARR/SMRLB1	PM:NRO/DARR/SMRLB1
<b>DATE</b>	01/16/2014	01/16/2014
<b>NAME</b>	DMurray	JStarefos

**OFFICIAL RECORD COPY**

## **TENTATIVE AGENDA**

### **TENTATIVE AGENDA FOR CLOSED MEETING BETWEEN BABCOCK & WILCOX (B&W) AND THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) STAFF**

**January 28, 2014**

**THREE WHITE FLINT NORTH, 3WFN-1C03 & 1C05**

<b>TIME</b>	<b>TOPIC</b>	<b>LEAD</b>
8:30 a.m. – 9:00 a.m.	Opening Remarks & Introductions & Nuclear Island System Safety Strategy	NRC
9:00 a.m. – 10:30 a.m.	Emergency Core Cooling (ECC) Update	Generation mPower
10:30a.m. – 10:45a.m.	Break	All
10:45a.m. – 12:00p.m.	Reactor Coolant Inventory System (RCI) System Overview	Generation mPower
12:00 p.m. – 1:00 p.m.	Lunch	All
1:00 p.m. – 1:30 p.m.	IIV Design Update and Application of Break Exclusion Principles to the B&W mPower™ Reactor Design	Generation mPower
1:30 p.m. – 2:30 p.m.	Design phase Reliability Assessment Program (DRAP) Update	Generation mPower
2:30 p.m. – 2:45 p.m.	Break	All
2:45 p.m. – 4:00 p.m.	ASME Code Update (48 month operating cycle challenge)	Generation mPower
4:00 p.m. – 4:15 p.m.	Conclusion/Closing	NRC

Enclosure

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**January 29, 2014**

**THREE WHITE FLINT NORTH, 3WFN-1C03 & 1C05**

<b>TIME</b>	<b>TOPIC</b>	<b>LEAD</b>
8:30 a.m. – 8:45 a.m.	Opening Remarks & Introductions	NRC
8:45 a.m.- 10:00 a.m.	Instrumentation and Control D3 and Architecture Update	Generation mPower
10:00a.m. – 10:45a.m.	Gale Code	Generation mPower
10:45a.m. – 11:00a.m.	Break	All
11:00a.m. – 12:00p.m.	Severe Accident Mitigation Design Alternatives (SAMDA) [Open to the Public as noticed on the NRC Public Website]	NRC
12:00 p.m. -1:00 p.m.	Lunch	All
1:00 a.m.- 2:30 p.m.	Flywheel Report Overview	Generation mPower
2:30 p.m. – 2:45 p.m.	Break	All
2:45 p.m. – 4:15 p.m.	Departure from Nucleate Boiling (DNB) Report Overview	Generation mPower
4:15 p.m. – 4:30 p.m.	Conclusion/Closing	NRC

Enclosure