August 26, 2010

MEMORANDUM TO: Stewart L. Magruder, Branch Chief
Advanced Reactor Branch 2
Advanced Reactor Program
Office of New Reactors

FROM: Matthew J. Humberstone, Project Manager ***/RA/***
Advanced Reactors Branch 2
Advanced Reactor Program
Office of New Reactors

SUBJECT: SUMMARY OF THE JULY 29, 2010, CLOSED MEETING WITH BABCOCK & WILCOX, TO DISCUSS THE MPOWER CORE AND FUEL DESIGN. (TAC NO.RN6075)

On July 29, 2010, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC), and representatives of Babcock & Wilcox (B&W), at The Legacy Hotel and Meeting Centre, 1775 Rockville Pike, Salon I room, Rockville, MD. The purpose of the meeting was to discuss the core and fuel design for the mPower reactor.

B&W presented information on the mPower reactor design evolution, mechanical design of the reactor core, nuclear design of the reactor core, and thermal-hydraulic design of the reactor core.

The staff raised some questions in regards to the software used which were clarified by B&W with a discussion pertaining to the future use and modification of the current codes along with collaboration of the code developers. Also, B&W stated that the transient analysis is under development.

Members of the public were not in attendance. Public Meeting Feedback forms were not received. A list of meeting attendees is attached. The licensee's slides presented at the meeting are in ADAMS ML102150357.

CONTACT: Matthew J. Humberstone, NRO/ARP
301-415-6007

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301-415-6007

Project No.: 0776

Enclosure:
See next page

cc: DC B&W mPower

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EMartinez, NRO	RMoore, NRO	TNakanishi, NRO
JRaymond, RES	SShaikh, NRO	JStarefos, NRO
LTello, NRO	RVogt-Lowell, NRO	VWilliams, NSIR

ADAMS Accession Number: **ML102371161** **NRO-002**

OFFICE	PM:NRO/ARP/ARB2	PM:NRO/ARP/ARB2	BC:NRO/ARP/ARB2
NAME	MHumberstone/dlj	JStarefos(YMalave-Velez for)	SMagruder
DATE	08/25/2010	08/25/2010	08/25/2010

OFFICIAL RECORD COPY

CLOSED MEETING BETWEEN THE NRC AND BABCOCK & WILCOX (B&W)
REGARDING THE MPOWER CORE AND FUEL DESIGN
JULY 29, 2010; 1:00-4:00 PM
LEGACY HOTEL AND MEETING CENTRE, SALON I

TIME	TOPIC	LEAD
1:00 p.m. -1:05 p.m.	Introduction	NRC
1:05 p.m. - 3:30 p.m.	Design Evolution Core and Fuel Design • Mechanical • Neutronics • Thermal Hydraulics • Schedule/Status of Topical Report	B&W
3:30 p.m. - 3:55 p.m.	Questions/Discussion	NRC/B&W
3:55 p.m. - 4:00 p.m.	Adjourn	NRC

Enclosure

ATTENDANCE LIST

Closed Meeting Between B&W and the NRC
Regarding the fuel core design for the mPower reactor

July 29, 2010: 1:00pm-4:00pm
The Legacy Hotel, Rockville, MD

NAME	ORGANIZATION
Don Algama	RES/DSA/FSTB
Randall Belles	ORNL
Vince Bilovsky	B&W
David Diamond	BNL
Eva Eckert Hickey	PNNL
Ted Feigenbaum	Bechtel/mPower
Jeff Halfinger	B&W
Hassan Hassan	B&W/Seminar Tech. Consultant
Matthew Humberstone	NRC/NRO/ARP
William Krotiuk	NRC/RES/DSA/RSAB
Ron Lavera	NRO/DCIP/CHPB
Doug Lee	B&W
Pete Lee	NRC/NSIR
Richard Lee	NRC/RES
Anne Leidich	B&W
Hulbert Li	NRO/DE/ICE2
Stewart Magruder	NRC/NRO
Yanely Malave-Velez	NRO/ARP/ARB2
Erick Martinez	NRO/DE/ICE2
Ross Moore	NRC/NRO
Tony Nakanishi	NRO/DSRA/SRSB
Dudley Raine	B&W
J. Raymond Skarda	NRC/RES/DSA/NARB
Stuart Rubin	NRC/RES
James Saldarini	Bechtel Power
Jeff Schmidt	NRC/NRO/DSRA
Samina Shaikh	NRC/NRO/ARP
Joelle Starefos	NRC/NRO
Linda Tello	NRC/NRO/ARP
R. Vogt-Lowell	NRC/NRO/ARB2
Vince Williams	NRC/NSIR/DSP

cc:

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DC B&W mPower

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