

## Starefos, Joelle

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**From:** Starefos, Joelle  
**Sent:** Thursday, May 24, 2012 5:24 PM  
**To:** 'Poslusny, Chester'  
**Cc:** Moore, Ross  
**Subject:** Questions related to CRDM and Reactor Internals for the mPower Design

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Chet,  
As we discussed today, the staff has questions related to the mPower design control rod drive mechanisms (CRDMs) and reactor vessel internals. I appreciate your willingness to schedule a brief telephone call between NRC and Babcock & Wilcox (B&W) staff to discuss the following questions in support of the NRC staff development of the mPower Design-Specific Review Standard (DSRS). Please propose a time that works best for your staff. Additionally, this email will be made publicly available, please advise regarding whether any of the information herein should be considered proprietary and withheld from public disclosure.

### CRDM

Is there a plan for seismic testing of the CRDMs? Is B&W planning FIV testing for mPower? If so, what are the FIV testing acceptance criteria?

### Reactor Internals

1. Can/will B&W provide a list of reactor pressure vessel (RPV) internal components for the mPower design?
2. Can/will B&W describe the FIV program?
3. Does B&W plan to comply with Regulatory Guide 1.20?
4. Can/will B&W describe the functionalities of the CRDM (as compared to traditional LWRs) such as controlling reactor power?
5. How is B&W determining the "loads" for the RPV internals and CRDMs?
6. Will all RPV internals and CRDM components be designed to ASME standards? If yes/no, which standard?

Regards,  
Joelle

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