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From: Gregory Cranston
To: Reactor Systems
Date: 07/25/2007 8:29:11 AM
Subject: Fwd: POWER UPRATE LESSONS LEARNED

If anyone has anything they would like to add or change please let me know by the end of the day.

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From: Thomas Alexion
To: Anthony Mendiola; Gregory Cranston; Kamal Manoly
Date: 07/24/2007 4:53:23 PM
Subject: POWER UPRATE LESSONS LEARNED

Tony, Greg, and Kamal,

I've been asked to come up with power uprate lessons learned for Jim Dyer's use at a National Regulatory Utility Group (NRUG) meeting.

I have 3 main areas:

Potential Adverse Flow Effects (EMCB)
Reactor Systems Calculation Methods (SRXB and SNPB)
Abnormalities in UFM Instrumentation (SRXB)

Please provide comments by COB Wednesday, if possible. Couple of notes:

1. The SBLOCA issue is new for BWRs (I added it because I saw an RAI on it in the Susquehanna EPU review).
2. I think the BWR methods discussion is still good in light of the ACRS meetings on the GE methods in May/June.

I plan to put all the main bullets on one page, and then have all the backgrounds follow. However, the version you see attached has the background after each topic so it's easier for you to follow.

Tom

CC: James O'Driscoll; Leonard Ward; Martin Murphy; Thomas Scarbrough; Tony Nakanishi

Abnormalities in Ultrasonic Flow Meter (UFM) Instrumentation

- The staff is currently reviewing industry evaluations of a problem at plants using a UFM of the type used for MUR power uprates. This problem has led to unexpected but small differences in power level indications at some plants. We have not seen this problem at plants that have been approved for MUR power uprates.
- Two vendors, Caldon and Westinghouse, currently supply UFM's to nuclear power plants. The staff is re-evaluating the generic approvals previously granted for these UFM's. By letter to Caldon dated July 5, 2006, the staff's re-evaluation concluded that the Caldon Check and CheckPlus UFM's performance is consistent with previous NRC reviews and is therefore, acceptable. The staff's re-evaluation of the Westinghouse Crossflow UFM is ongoing.

Background Information for UFM Instrumentation

None needed.

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