

**From:** Peter Tam  
**To:** david.distel@exeloncorp.com  
**Date:** 6/10/02 4:57PM  
**Subject:** Draft RAI on your 4/26/02 amendment request (TAC MB4960)

Dave:

We had a telecon on 5/30/02 on this amendment request. After the telecon, our reviewer Christopher Graham developed the following draft questions. Please take a look at them. We would be glad to hold another telecon with you if you so desire.

This e-mail, by itself, does not convey a formal NRC staff position, and does not formally request information. Please discuss with me how we should disposition these questions.

Questions regarding instrumentation and control: FCTR and setpoint calculation.

1. Please identify the manufacturer and model of the digital FCTR cards and identify the vendor documentation that is available for the cards.
2. Enclosure 1 states that "New Digital FCTR cards are being installed under 10CFR50.59.." Please provide the staff with the 10CFR50.59 screening and evaluation for the FCTR cards.
3. Please identify the process involved to ensure that procured digital FCTR cards under 10 CFR 50.59 for this project are similar in design, specification and functionality as those for the product line previously approved by the NRC staff. If modifications have been made by the vendor or the licensee, please provide the details of the changes.
4. Please provide the nvironmental "qualification parameters" mentioned in enclosure 1, page 8 that the FCTR cards are being designed to.
5. Please confirm: (1) for your plant-specific location, Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) susceptibility-qualification of the new digital FCTR cards was determined based on guidance of EPRI Report TR-102323, and (2) the new digital hardware will not become a source of conducted and/or radiated EMI and RFI for other safety-related circuits.
6. Please provide any reports or evaluation of the " burn-in process" mentioned in enclosure 1, page 8 for the digital FCTR cards.
7. Please provide any reports or evaluations for the "shakedown period" that occurred at the end of cycle 18 for the digital FCTR cards
8. Please report on any failures or abnormal operation of the FCTR cards during the burn-in or shakedown process. Please provide proposed or performed plant specific changes that have or are planned to occur as a result of the burn-in and shakedown process.
9. If your in-house setpoint calculation methodology was previously approved by the NRC, please cite the approval document. If your methodology was not previously reviewed and approved by the staff, please confirm that your setpoint calculation methodology is based on the staff approved Industry standards, and meets the 95/95 confidence level requirement.

**CC:** john.hufnagel@exeloncorp.com

**Mail Envelope Properties**

(3D0512D3.555 : 10 : 21854)

**Subject:** Draft RAI on your 4/26/02 amendment request (TAC MB4960)

**Creation Date:** 6/10/02 4:57PM

**From:** Peter Tam

**Created By:** pst@nrc.gov

**Recipients**

exeloncorp.com  
david.distel  
john.hufnagel CC

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