

**From:** Orf, Tracy  
**Sent:** Monday, June 14, 2010 10:42 AM  
**To:** 'Jim Connolly (james\_connolly@fpl.com)'  
**Cc:** Mozafari, Brenda  
**Subject:** Electrical acceptance review questions

Jim,

The questions below are from the electrical group. I would suggest that you get with Brenda and set up a call as soon as possible.

Best regards,

Trace

1. The licensee states in LAR Attachment 5, page 2.3.1-10, that “as a result of EPU, localized areas located on the 43 foot elevation RAB HVAC area have changed from a mild environment to a harsh environment. This change results in motor for supply fan (HVS-4A), motor for exhaust fan (HVE-6A), motor for damper (D-23) and Motor for damper (D-24) in the RAB HVAC area requiring additional evaluation, or modification to resolve the EQ issue. The qualification issues related to the above items will be resolved prior to EPU implementation.” The staff needs the EQ Analysis that shows the subject equipments are qualified in accordance with 10 CFR 50.49 prior to commencing the detailed review.
2. The licensee states in LAR Attachment 5, Section 2.3.2.2.4.1 ‘Grid Stability,” that a system impact study was performed in accordance with FPL and Florida Reliability Coordinating Council requirements and North American Electric Reliability Corporation’s Planning Standards. The staff needs supporting documentation to show that the offsite power system will continue to meet the requirements of GDC-17 following implementation of the proposed EPU.
3. The licensee states in LAR 2.3.5.1, “Regulatory Evaluation,” for Station blackout (SBO) that “during the NRC’s 2007 Component Design Bases Inspection, the NRC concluded that the station must either verify by testing that AAC can be made available within 10 minutes, or submit to the NRC a coping analysis that demonstrates the ability to cope for one hour with no ac power available. The analysis performed in support of this EPU submittal and described herein demonstrates the ability to cope for one hour with no ac power available. The one hour is assumed to start at the actual time of the SBO.” The staff notes that St. Lucie has not been in compliance with 10 CFR 50.63(c)(2) since 1993 and the NRC report identified two violations of NRC requirements regarding the lack of coping analysis and adequate testing to demonstrate capability of the cross-tie cables for the AAC source. The licensee’s actions to address this issue is not within the scope of EPU and must be submitted in a separate amendment for staff’s review.