

Vogle PEmails

From: Hearn, Peter
Sent: Friday, March 30, 2018 11:29 AM
To: 'Sparkman, Wesley A.' (WASPARKM@southernco.com); Vogle PEmails
Subject: RAI 9520 LAR 18-003

Below is the final for RAI 9520.

Pete

10 CFR Part 50, Appendix A, General Design Criterion (GDC) 17, "Electric Power Systems," requires, in part, that the onsite electric power supplies, including the batteries, and the onsite electric distribution system, shall have sufficient independence, redundancy, and testability to perform their safety functions assuming a single failure.

Regulatory Guide (RG) 1.129, Revision (Rev.) 2, "Maintenance, Testing, and Replacement of Vented Lead-Acid Storage Batteries for Nuclear Power Plants," endorses Institute of Electrical and Electronics Engineers Standard (IEEE Std.) 450-2002, "IEEE Recommended Practice for Maintenance, Testing, and Replacement of Vented Lead-Acid Batteries for Stationary Applications." RG 1.129, Rev. 2 provides criteria for a modified performance test and the licensee has committed to utilize RG 1.129 in its UFSAR.

In the Vogle Electric Generating Plant (VEGP) Units 3 and 4 License Amendment Request (LAR) 18-003, the licensee proposed to make changes to the surveillance frequency in Technical Specifications (TS) Surveillance Requirements (SR) 3.8.7.6 (performance test). The staff noted that in SR 3.8.1.3 (service test), Note 1, which states that the modified performance discharge test in SR 3.8.7.6 may be performed in lieu of SR 3.8.1.3. Based on RG 1.129, Rev.2 the battery service test should be performed with intervals not to exceed 24 months. Therefore, when the modified performance test is performed in lieu of the service test, the surveillance frequency should not exceed 24 months. However, in the LAR, the licensee did not identify the surveillance frequency for the modified performance test.

Please confirm whether VEGP Units 3 and 4 will perform the modified performance test in Note 1 of SR 3.8.1.3. If so, describe what the modified performance test surveillance frequency is and confirm its conformance to the criteria of RG 1.129, Rev. 2, as committed in the UFSAR.

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