

Followup RAI question regarding ESBWR DCD Chapter 7

RAI Number	Reviewer	Question Summary	Full Text
7.1-14 Supplement 1	Li H	Update DCD Figure 8.1-4 to be consistent with 7.1.6.6.1.7 and 7.2.1.2.4.1.	IEEE Std 603, Section 5.6 requires that components of each RPS division are totally separated physically and independent from components of other division. Figure 8.1-4, "Uninterruptible AC Power Supply" indicated that two RPS power feeders from division 1, two RPS power feeders from division 2, and none from divisions 3 and 4. Fig. 8.1-4 is not consistent with design basis addressed in DCD 7.1 and 7.2.
7.1-17 Supplement 1	Li H	Provide reference documents NEDO-33295, and NEDE-33295-P.	DCD Section 7.1.6.6.10 referenced the license topical reports NEDO-33295, "ESBWR Cyber Security Program Plan" (Non-proprietary), and NEDE-33295-P (proprietary). These reports need to be submitted for staff for review.
7.1-18 Supplement 1	Li H	Provide COL Holder information item in DCD Section 7.1.6.6.1.11. (Use Generic Safety Issue (NUREG-0933) item C-1 as an example).	The staff recognizes that I&C system repair task is the COL Holder's responsibility, however, the certified design DCD should provide information for COL Holder action. For example, Generic Safety Issue (NUREG-0933) item C-1, "Assurance of Continuous Long-term Capability of Hermetic Seals on Instrumentation and Electrical Equipment" requires all licensees and applicants to take actions to assure that all safety-related electrical equipment to be maintained properly to satisfy those aspects of 10 CFR 50, Appendix A, GDC-4.

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7.1-30	Li H	Provide COL Applicant / COL Holder information item in DCD Section 7.1.6.6.1.24.	COL application or COL Holder should follow the GE Setpoint Methodology, and provide detailed instrument trip setpoint information for staff review.
7.5-3 Supplement 2	Li H	Provide generic post accident monitoring instrumentation design information following the guidance provided in Regulatory Guide 1.97, Revision 4.	<p>In response to NRC RAI 7.5-3, supplement 1, the applicant stated that DCD Subsection 7.5.1 addresses the IEEE Std 497-2002 criteria and the relevant requirements stated in RG 1.97, Rev. 4. The functional requirement analysis (FRA), allocation of functions (AOF), and task analysis (TA) will provide an independent list of the required RG 1.97 parameters via their respective results summary reports (RSP). The applicant has not committed when these reports will be available for staff review and approval. The staff believes that a generic post accident monitoring instrumentation parameter list according to RG 1.97 Rev.4 criteria should be provided as part of the certified design package.</p> <p>The COL application reference the ESBWR certified design may justify its deviation from the generic post accident monitoring instrumentation parameter list due to plant-specific condition.</p>