

MFN 09-531

Enclosure 2

**Affected DCD Revision 6, Chapter 3, Subsection 3.11
Markup, Non-proprietary**

Radiation Environment

EQ equipment is designed to perform its safety-related function when exposed to the normal operational radiation levels and accident radiation levels.

Dose rates and integrated doses of radiation that are associated with normal plant operation and the DBA condition for various plant compartments are presented in Appendix 3H; these parameters are presented in terms of time-based profiles where applicable.

3.11.7 COL Information

3.11-1-A Environmental Qualification Document

The COL Applicant will provide a full description and a milestone for program implementation of the environmental qualification program that includes completion of the plant-specific EQD per Subsection 3.11.4.4.

3.11-2-H Environmental Qualification Records (Deleted)

3.11.8 References

- 3.11-1 USNRC, Standard Review Plan, NUREG-0800, SRP 3.11, Revision 3, March 2007, “Environmental Qualification of Mechanical and Electrical Equipment.”
- 3.11-2 USNRC, Code of Federal Regulations, Title 10, Chapter I, Part 50, Paragraph 50.49, “Environmental Qualification of Electric Equipment Important to Safety for Nuclear Power Plants.”
- 3.11-3 General Electric Co., “General Electric Environmental Qualification Program,” NEDE-24326-1-P, Proprietary Document, January 1983.
- 3.11-4 Regulatory Guide 1.209, “Guidelines for Environmental Qualification of Safety-Related Computer-Based Instrumentation and Control Systems in Nuclear Power Plants,” March 2007.
- 3.11-5 NUREG 0588, USNRC, “Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment,” December 1979.
- 3.11-6 GE Hitachi Nuclear Energy, “ESBWR Qualification Plan Requirements for a 72-Hour Duty Cycle Battery,” NEDE-33516P Revision 01, Proprietary Document, ~~July~~ September 2009.