
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

APR1400 Design Certification

Korea Electric Power Corporation / Korea Hydro & Nuclear Power Co., LTD

Docket No. 52-046

RAI No.: 420-8482
SRP Section: 19.03 – Beyond Design Basis External Event
Application Section: 19.3
Date of RAI Issue: 02/29/2016

Question No. 19.03-35

NRC Commission paper SECY-12-0025 stated that the NRC staff expected new reactor design certification applications to address the Commission-approved Fukushima actions in their applications to the fullest extent practicable. In performing its review of the APR1400 design certification application, the NRC staff followed the guidance for satisfying the Commission directives regarding BDBEE mitigation strategies in Japan Lesson-Learned Project Directorate JLD-ISG-2012-01, Revision 0, which endorsed with clarifications the methodologies described in NEI 12-06, Revision 0. The guidance in JLD-ISG-2012-01 describes one acceptable approach for satisfying the Commission directives regarding BDBEE mitigation strategies (i.e., Order EA-12-049). TR APR1400-E-P-NR-14005-P, Rev. 0 provides details regarding mitigating strategies and design enhancements to meet Near-Term Task Force (NTTF) recommendations, NRC orders, and agency guidance related mitigation strategy during Beyond Design Basis External Events (BDBEE).

TR, APR1400-E-P-NR-14005-P, Revision 0, Section 5.1.2.3.1.2, "Phase 2: Coping with Installed Plant Equipment and Onsite Portable Resources (8 to 72 hours)," subsection 5.1.2.3.1.2.3 states that the specific storage location, mobilization, and other details for the FLEX pumps and mobile gas turbine generators (GTGs) are combined license (COL) items. TR, APR1400-E-PNR-14005-P, Revision 0, Section 5.1.2.3.1.2.3, "Common Strategy to Both the Basic Strategy and Contingency Plan" states that the specific storage location, mobilization, and other details for the FLEX pumps and mobile GTGs are COL items. DCD Section 19.3.4, "Combined License Information," COL 19.3(4) states that the COL applicant is to address the details of storage location for FLEX equipment.

1. Please specify and provide details associated in the COL item to ensure that the COL applicant is able to provide mobilization and storage to ensure adequate protection of FLEX equipment for the Phase 2 coping strategy.

Response

COL 19.3(4) in DCD Tier 2 Section 19.3.4 and Technical Report APR1400-E-P-NR-14005-P/NP Section 6.2.9 are revised to provide detailed guidance to ensure that the COL applicant is able to provide mobilization and storage to ensure adequate protection of FLEX equipment for the Phase 2 coping strategy in the response to RAI 333-8397 Question 19.03-9.

Impact on DCD

There is no impact on the DCD.

Impact on PRA

There is no impact on the PRA.

Impact on Technical Specifications

There is no impact on the Technical Specifications.

Impact on Technical/Topical/Environmental Reports

There is no impact on any Technical, Topical, or Environmental Report.