RESPONSE TO AUDIT ISSUES

APR1400 Topical Reports

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

Docket No. PROJ0782

Review Section	**TR Realistic Evaluation Methodology for LBLOCA of the APR1400**
Application Section	**Topical Report: APR1400-F-A-TR-12004 Realistic Evaluation Methodology for Large-Break LOCA of the APR1400**
Issue Date	**08/13/2015**

Audit Issues No. 26

SRP 15.0.2 Section 2.5 requires that the EM be placed under a quality assurance program that meets the requirements of 10 CFR 50 Appendix B. Confirm that the RELAP5/MOD3.3/K EM for LBLOCA is controlled in this manner. Also provide details of the code modification quality assurance program in place to confirm that the changes to RELAP5/MOD3.3 are correctly implemented and that the remainder of the source code is not altered. Furthermore, explain the use of the term “frozen” and how this affects the current submittal and future use in various licensing calculations.

Response

Design procedure enclosed is used for the control of the design computer code and meets the requirements of 10 CFR 50 Appendix B. The RELAP5/MOD3.3/K is controlled by the configuration management system for design computer code. The captured picture for configuration management system is also enclosed.

The terminology ‘frozen’ comes from NUREG/CR-5249, which states “frozen code does not allow model enhancements and code improvements during the analysis period”. The frozen code is applied to the current submittal and future use in licensing calculations.

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 Report

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

한전원자력연료

설 계 관 리 절 차 서

DESIGN CONTROL PROCEDURE

제　　목 : 설계 전산코드 관리

SUBJECT : Design computer code control

A4(210x297)

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