
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. 75-b

The guidance in NUREG/CR-5429, Section 2.1.4 establishes acceptable controls over code versions and changes that could affect best estimate calculations. The RELAP5/MOD3.3/K source code has been provided in response to a previous NRC RAI. Address the following concerns:

- b. The RELAP5/MOD3.3/K source code has been provided in response to a previous NRC RAI. The source code in the files "fidisv.f" and "fidis2.f" for RELAP5/MOD3.3/K (in the folder Question-2\1) Source code\relap5\kREM from the response CD) does not contain the changes listed in lines (f) and (h) of Section 1.3 of Appendix B. The source code in the two files still shows the old logic with "dcon(2)" thereby restricting the droplet diameter to 1.5 mm. Address this discrepancy and its implication on the discussion and the results in the topical report.

Response

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Following modified lines are written in 'fidisv.f', and similar code modifications are written in 'fidis2.f'.

'fidisv.f' Sub-routine Line 146 ~ 161

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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

Topical report will be revised as discussed in this response.

There is no impact on Technical or Environmental Report.

[Redacted content]

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1.4 Modification of []^{TS}

[Redacted content]

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