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## 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

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### **Audit Issues No. 76**

The guidance in NUREG/CR-5249, Section 2.0, discusses issues related to model nodalization. Figure 17 of Appendix B shows the RELAP-5 nodalization of the primary system. [

]<sup>TS</sup> Provide justifications regarding this core radial nodalization. If a different nodalization is to be used, justify why it will provide conservative or realistic predictions of the core heat transfer behavior.

**Response**

[

]TS Moreover, in CAREM, the conservative Fr (radial peaking factor) is applied to hot bundle. The conservative radial peaking factor for the hot bundle is described in response to audit issue no. 54.

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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**

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