

Request for Additional Information No. 54 (1001), Revision 0

8/22/2008

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 19.01 - Determining the Technical Adequacy of Probabilistic Risk Assessment
Results for Risk-Informed

Application Section: 19

SPLA Branch

QUESTIONS

19.01-11

U.S. EPR Final Safety Analysis Report (FSAR), Revision 0, Section 19.1.2 "Quality of PRA" and Table 19.1.1 "Characterization of U.S. EPR PRA Relative to Supporting Requirements in ASME PRA Standard" provide a discussion of U.S. EPR PRA technical adequacy and a summary of the degree to which the EPR PRA relates to the capability categories for the nine technical elements, respectively. Please describe any plans to revise EPR FSAR, Revision 0, Chapter 19 to include the EPR PRA peer review results. If not, state why.

19.01-12

NEI 05-04 (Rev. 1) provides a process for performing a follow-on peer review of individual technical elements of a PRA for utilities that have already had an NEI 00-02 full PRA peer review. As discussed in this document, the follow-on peer review integrates the results from the full PRA peer review and host utility's self-assessment. The U.S. EPR peer review report references NEI 05-04 as the basis for the review. Since a self-assessment (but not previous peer review) was completed, please describe the process that was used in this peer review (e.g., use of the self-assessment).

19.01-13

Please provide the EPR PRA peer review summary results.

19.01-14

Please specifically identify the SRs that were identified as "Not Met – Not Achievable" and state why.

19.01-15

Please specifically identify the SRs that were identified as "Not Met on basis of technical merits." Have the Facts & Observations (F&Os) prepared and classified as "Finding" for these SRs been resolved or incorporated into the EPR PRA? For those that have not been addressed, identify and describe the findings and state why the unincorporated F&Os are not expected to have any impact on the PRA results and insights.

19.01-16

Please provide the descriptions of the high level requirements and SRs that were developed for "PRA Configuration Control (MU)."

19.01-17

Please describe the qualifications of each of the EPR PRA peer review team members.