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Request for Additional Information No. 41, Revision 0

7/17/2008

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 05.02.01.01 - Compliance With the Codes and Standards Rule, 10 CFR 50.55a

SRP Section: 05.02.01.02 - Applicable Code Cases

Application Section: FSAR Ch 5

CIB1 Branch

QUESTIONS

05.02.01.01-1

Clarify the statement in the EPR FSAR that the Combined License (COL) applicant will identify subsequent ASME Code editions or addenda that may be used and will determine the consistency of the EPR design with construction practices.

Section 5.2.1.1, "Compliance with 10 CFR 50.55a," in the EPR FSAR Tier 2 states that the code of record for the design of the U.S. EPR is the 2004 edition of the ASME *Boiler & Pressure Vessel Code* (BPV Code), which the NRC is considering for incorporation by reference in the regulations. EPR FSAR Tier 2 Section 5.2.1.1 then states that a COL applicant that references the U.S. EPR design certification will identify subsequent ASME Code editions or addenda that may be used and will determine the consistency of the EPR design with construction practices (including inspection and examination methods) reflected within the subsequent code editions and addenda identified in the COL application. NRC Standard Review Plan (SRP) Section 5.2.1.1, "Compliance with the Codes and Standards Rule, 10 CFR 50.55a," states that the NRC staff review will consider compliance of components with 10 CFR 50.55a, and will evaluate where alternatives are proposed. AREVA is requested to clarify the need for the COL applicant to obtain NRC approval of the use of ASME Code editions or addenda other than the code of record for the EPR design certification.

05.02.01.02-1

Identify any ASME Code Cases to be used in the EPR design applicable to ASME BPV Code, Section XI, and ASME OM Code.

Section 5.2.1.2, "Compliance with Applicable Code Cases," in EPR FSAR Tier 2 discusses the use of ASME Code Cases listed in FSAR Table 5.2-1, "ASME Section III Code Cases." EPR FSAR Tier 2 Section 5.2.1.2 states that the ASME BPV Code Section XI Code Cases acceptable for use are listed in RG 1.147, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1." EPR FSAR Tier 2 Section 5.2.1.2 states that the ASME OM Code Cases acceptable for use are listed in RG 1.192, "Operation and Maintenance Code Case Acceptability, ASME OM Code." SRP Section 5.2.1.2, "Applicable Code Cases," indicates that the NRC staff should check the list of ASME Code Cases provided by the applicant for compliance with acceptable Code Cases in

RGs 1.84, 1.147, and 1.192. AREVA is requested to identify (or have the COL applicant identify) any ASME Code Cases applicable to the ASME BPV Code, Section XI, and ASME OM Code to be used in the EPR design.