

ArevaEPRDCPEm Resource

From: Snyder, Amy
Sent: Thursday, September 05, 2013 3:32 PM
To: 'usepr@areva.com' (usepr@areva.com)
Cc: Wheeler, Larry; Dias, Antonio; Buckberg, Perry; Takacs, Michael; Miernicki, Michael; Gleaves, Bill; Segala, John
Subject: US EPR DC DRAFT RAI 604, Chapter 14, Section 14.03.07 - Plant Systems - Inspections, Tests, Analyses, and Acceptance Criteria
Attachments: DRAFT RAI_604_BPTS_7233.docx

Attached please find Draft RAI No. 604 regarding your application for standard design certification of the U.S. EPR. If you have any questions or need clarification regarding this Draft RAI, please let me know as soon as possible, I will have our technical Staff available to discuss them with you.

Please also review the draft RAI to ensure that we have not inadvertently included proprietary information. If there is any proprietary information, please let me know within the next ten days. If I do not hear from you within the next ten days, I will assume there are none and will make the Draft RAI publicly available.

Thank You,

Amy

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DRAFT
Request for Additional Information 604

Issue Date: 09/05/2013

Application Title: U. S. EPR Standard Design Certification - Docket Number 52-020

Operating Company: AREVA NP Inc.

Docket No. 52-020

Review Section: 14.03.07 - Plant Systems - Inspections, Tests, Analyses, and Acceptance Criteria
Application Section: 9.2.2 and 9.2.8

QUESTIONS

14.03.07-40

The staff reviewed U.S. EPR Tier 1, FSAR Revision 5, Section 2.7.1, "Component Cooling Water System," and found the following discrepancies:

- Table 2.7.1-2 "CCWS Equipment I&C and Electrical Design", Sheet 4 of 8 (Page 2.7-14), column IEEE Class 1E⁽²⁾ – valve 30KAB30AA056 has 2^N and 2^A divisions - division 1 appears to be missing.
- Table 2.7.1-3, "Component Cooling Water System ITAAC", ITAAC 7.3 (Page 2.7-28), Acceptance Criteria column – trains 1 and 4 flow rate of 2.1906×10^6 lbm/hr is different from trains 2 and 3 flow rate of 2.984×10^6 lbm/hr and does not agree with Tier 2, Table 9.2.2-2 which has a maximum flow rate of 2.984×10^6 lbm/hr.

The staff reviewed U.S. EPR Tier 1, FSAR Revision 5, Section 2.7.2, "Safety Chilled Water System," and found the following discrepancies:

- In Section 3.0 "Mechanical Design Features," Items 3.3 and 3.5 appear to be the same ITAAC.
- Table 2.7.2-3 "SCWS Air Cooled Division Equipment Mechanical Design", Sheet 1 of 2 (Page 2.7-51), Column 'Tag Number' – need to check condenser fan # 21-24 and 35-38. In accordance with Figure 2.7.2-2, condenser fan tag numbers are #21-28.
- Table 2.7.2-3, Sheet 2 of 2 (Page 2.7-52), Column 'Tag Number' – need to check condenser fan # 21-24 and 35-38. In accordance with Figure 2.7.2-2, condenser fan tag numbers are #21-28.
- Table 2.7.2-4 "SCWS Air Cooled Division Equipment I&C and Electrical Design" (Page 2.7-53), Column 'Tag Number' – need to check condenser fan # 21-24 and 35-38. In accordance with Figure 2.7.2-2, condenser fan tag numbers are #21-28.
- Table 2.7.2-5 (Page 2.7-55 and -57), ITAACs 3.5 and 3.19 have the same wording.

Staff requests that AREVA clarify the above discrepancies.