

ArevaEPRDCPEm Resource

From: Snyder, Amy
Sent: Thursday, April 04, 2013 1:35 PM
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Cc: Budzynski, John; Donoghue, Joseph; Gleaves, Bill; Segala, John; Akstulewicz, Frank; Hawkins, Kimberly
Subject: U.S. EPR Design Certification Application DRAFT RAI No. 582, FSAR Ch. 15 - NEW PHASE 4 RAI (ATWS)
Attachments: DRAFT RAI_582_SRSB_7069.doc

Attached please find Draft RAI No. 582 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 are 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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NEW PHASE 4 RAI (ATWS)
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Options

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DRAFT
Request for Additional Information 582

Issue Date: 4/4/2013

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

Operating Company: AREVA NP Inc.

Docket No. 52-020

Review Section: 15.08 - Anticipated Transients Without Scram

Application Section: SRP 15.8

QUESTIONS

15.08-1

AREVA's technical report ANP-10304, "USEPR Diversity and Defense - in-Depth Assessment" lists the increase in steam flow event as an anticipated operational occurrence. Consistent with paragraph (b) of Part 50.62, (Anticipated Transients Without Scram) ATWS events are anticipated operational occurrences as defined by Appendix A of Part 50 followed by the failure of the reactor trip portion of the protection system specified in General Design Criterion (GDC) 20. The current AREVA ATWS analysis does not provide an analysis of the increase in steam flow event followed by the postulated failure of the reactor protection system to perform the necessary safety functions. Therefore, the staff can not conclude that the EPR design meets the requirements for ATWS events set forth in paragraph (c) of 10 CFR 50.62. Provide the analysis that demonstrates compliance with paragraph (c) for the subject increase in steam flow Anticipated Operational Occurrence (AOO) or provide a basis with the appropriate exemption request that supports a conclusion that compliance with paragraph (c) is not necessary.