

## ArevaEPRDCPEm Resource

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**From:** Getachew Tesfaye  
**Sent:** Tuesday, January 06, 2009 6:03 PM  
**To:** 'usepr@areva.com'  
**Cc:** John Budzynski; Shanlai Lu; Joseph Donoghue; Michael Miernicki; Jason Carneal; Joseph Colaccino; John Rycyna; ArevaEPRDCPEm Resource  
**Subject:** Draft - U.S. EPR Design Certification Application RAI No. 170 (1707), FSAR Ch. 3  
**Attachments:** Draft RAI\_170\_SRSB\_1707.doc

Attached please find draft RAI No. 170 regarding your application for standard design certification of the U.S. EPR. If you have any question or need clarifications regarding this 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 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.

Thanks,  
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**Hearing Identifier:** AREVA\_EPR\_DC\_RAIs  
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Request for Additional Information No. 170 (1707), Revision 0

1/6/2009

U. S. EPR Standard Design Certification

AREVA NP Inc.

Docket No. 52-020

SRP Section: 03.05.01.01 - Internally Generated Missiles (Outside Containment)

Application Section: 3.5

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

03.05.01.01-2

According to FSAR Section 4.6.1, the protection of control rod drive mechanism from internally generated missiles is provided by concrete secondary shield wall and reinforced concrete missile shield slabs.

What analysis confirms the protection to the CRDMs from internally generated missiles? This information is required to confirm the compliance that SSCs be designed to meet the requirements of GDC 4 as it relates to protection against dynamic effects including the effects of missiles.