

**From:** Getachew Tesfaye  
**Sent:** Sunday, May 18, 2008 12:58 PM  
**To:** 'Pederson Ronda M (AREVA NP INC)'  
**Cc:** John Rycyna; Kenneth See; Mark Thaggard; Joseph Colaccino  
**Subject:** Draft RAI No. 13  
**Attachments:** Draft RAI 13 RHEB 260,261,262,263,264.doc

Ronda,  
Attached please find the subject draft RAI. If you have any question or need clarifications regarding this RAI, please let me know as soon as possible, I will arrange a telecon with our technical staff.

Thanks,  
Getachew Tesfaye  
Sr. Project Manager  
NRO/DNRL/NARP

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Request for Additional Information No. 13, Revision 0

5/18/2008

U. S. EPR Standard Design Certification  
Alternate Energy Holdings  
Docket No. 52-020  
SRP Section: 02.04 - Hydrology  
SRP Section: 02.04.04 - Potential Dam Failures  
SRP Section: 02.04.06 - Probable Maximum Tsunami Flooding  
SRP Section: 02.04.09 - Channel Diversions  
SRP Section: 09.02.05 - Ultimate Heat Sink  
Application Section: 2.4  
RHEB Branch

## QUESTIONS

02.04-1

Table 5.0-1 (Tier 1) states the maximum rainfall rate parameters as being for roof design while Table 2.1-1 (Tier 2) does not mention roof design. Is the rainfall rate of 19.4 in/hr to be used only for roof design?

02.04.04-1

Section 2.4.4 of the EPR DCD appears to only address seismically induced dam failures. SRP 2.4.4 addresses both seismic and non-seismic causes of dam failure. Please provide a basis for excluding non-seismic causes?

02.04.06-1

Section 2.4.6.2 states that the COL applicant will "...determine the extent to which safety-related facilities require protection from tsunami effects ". Clarify that "tsunami effects" includes the Probable Maximum Tsunami? If not, please provide a basis for excluding the Probable Maximum Tsunami.

02.04.09-1

Section 2.4.9.2 states that the COL applicant will "demonstrate in the event of upstream diversion or rerouting of the source of cooling water, alternate water supplies will be available to safety-related equipment." Explain why nearby down-stream diversions, which could lead to a backwater effect and therefore alter the water surface elevation at the site, not considered.

09.02.05-1

Section 9.2.5 UHS, Table 9.2.5 Ultimate Heat Sink Design Parameters. Were the values given based on the most severe meteorological conditions expected at a site? If so, what assures that they are representative of a reasonable number of sites?