From:	Arora, Surinder
Sent:	Wednesday, May 09, 2012 8:33 AM
To:	Infanger, Paul; UNECC3Project@unistarnuclear.com
Cc:	CCNPP3eRAIPEm Resource; Segala, John; Seber, Dogan; Wilson, Anthony; Vrahoretis, Susan; Karas, Rebecca; Ford, Tanya; McLellan, Judith
Subject:	CCNPP3 - Draft RAI 345 RGS1 6489
Attachments:	DRAFT RAI 345 RGS1 6489.doc

Paul,

Attached is DRAFT RAI No. 345 (eRAI No. 6489) pertinent to Recommendation 2.1 of the Fukushima Near-Term Task Force recommendations contained in SECY-12-0025. You have until May 23, 2012 to review it and decide whether you need a conference call to discuss the RAI before the final issuance. After the phone call or after May 23, 2012, the RAI will be finalized and sent to you for your response. You will then have 30 days to provide a technically complete response or an expected response date for the RAI.

Thanks

SURINDER ARORA, PE
PROJECT MANAGER,
Office of New Reactors
US Nuclear Regulatory Commission

Phone: 301 415-1421
FAX: 301 415-6406
Email: Surinder.Arora@nrc.gov

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Sent Date: 5/9/2012 8:33:06 AM
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From: Arora, Surinder

Created By: Surinder.Arora@nrc.gov

Recipients:
"CCNPP3eRAIPEm Resource" <CCNPP3eRAIPEm.Resource@nrc.gov>
Tracking Status: None
"Segala, John" <John.Segala@nrc.gov>
Tracking Status: None
"Seber, Dogan" <Dogan.Seber@nrc.gov>
Tracking Status: None
"Wilson, Anthony" <Anthony.Wilson@nrc.gov>
Tracking Status: None
"Vrahoretis, Susan" <Susan.Vrahoretis@nrc.gov>
Tracking Status: None
"Karas, Rebecca" <Rebecca.Karas@nrc.gov>
Tracking Status: None
"Ford, Tanya" <Tanya.Ford@nrc.gov>
Tracking Status: None
"McLellan, Judith" <Judith.McLellan@nrc.gov>
Tracking Status: None
"Infanger, Paul" <paul.infanger@unistarnuclear.com>
Tracking Status: None
"UNECC3Project@unistarnuclear.com" <UNECC3Project@unistarnuclear.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

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Request for Additional Information No. 345 (eRAI 6489)
DRAFT
5/9/2012

Calvert Cliffs Unit 3
UniStar
Docket No. 52-016
SRP Section: 02.05.02 - Vibratory Ground Motion
Application Section: 2.5.2

QUESTIONS for Geosciences and Geotechnical Engineering Branch 1 (RGS1)

02.05.02-24

This request for additional information (RAI) specifically addresses Recommendation 2.1, of the Fukushima Near-Term Task Force recommendations contained in SECY-12-0025 as it pertains to the seismic hazard evaluation. This recommendation specifies the use of NUREG-2115, "Central and Eastern United States Seismic Source Characterization for Nuclear Facilities," (CEUS-SSC) in a site probabilistic seismic hazard analysis (PSHA). Consistent with Recommendation 2.1, as well as the need to consider the latest available information in the (PSHA) for Calvert Cliffs Unit 3 planned reactor site, the NRC staff requests that UniStar:

a) Evaluate the potential impacts of the newly released CEUS-SSC model, with potential local and regional refinements as identified in the CEUS-SSC model, on the seismic hazard curves and the site-specific ground motion response spectra (GMRS)/foundation input response spectra (FIRS). For re-calculation of the PSHA, please follow either the cumulative absolute velocity (CAV) filter or minimum magnitude specifications outlined in Attachment 1 to Seismic Enclosure 1 of the March 12, 2012 letter " Request for information pursuant to Title 10 of the *Code of Federal Regulations* 50.54(f) regarding Recommendations 2.1, 2.3, and 9.3, of the near-term task force review of insights from the Fukushima Dai-Ichi accident." (ML12053A340).

b) Modify the site-specific GMRS and FIRS if you determine changes are necessary given the evaluation performed in part a) above.