**From:** "McCallum, Thomas O." <TOMCCALL@southernco.com>
**To:** "Christian Araguas" <CJA2@nrc.gov>
**Date:** 5/3/2006 12:00:14 PM
**Subject:** RE: FW: Eastern Tennessee Seismic Source Zone - Vogtle ESP
**cc:** "Chuck R. Pierce" <CRPIERCE@southernco.com>,"Don P. Moore" <DPMOORE@southernco.com>

Thanks, we will evaluate this for impact on our ESP.

-----Original Message-----
From: Christian Araguas [mailto:CJA2@nrc.gov]
Sent: Wednesday, May 03, 2006 10:45 AM
To: McCallum, Thomas O.
Cc: Pierce, Chuck R.; Moore, Don P.
Subject: Re: FW: Eastern Tennessee Seismic Source Zone - Vogtle ESP

Tom,

This is what I recieved from Cliff Munson

"A 1994 paper in the publication "Science" by Powell, C. A. et al "A Seismotectonic Model for the 300-km long ETSZ" postulates a tectonic model to account for the seismic activity in the ETSZ. The paper states that their model "indicates that the potential for a large, damaging earthquake in the ETSZ may be higher than the available historical record suggests." I believe there was also a 1997 BSSA paper and 2002 SRL paper by Martin Chapman on the
ETSZ.

Southern indicated that they did not update the EPRI-SOG seismic characterization of the ETSZ for the Vogtle ESP. Since this work was done in the 1980s, we raised the question in the pre-ESP application meeting"

If you need further clarification, let me know so that I can set up a phone call with Cliff.

Christian

>>> "McCallum, Thomas O." <TOMCCALL@southernco.com> 05/01/06 6:08 PM >>>
Christian - can you get us a reference for the question that was asked during the April 14th meeting?

Tom McCallum
Southern Nuclear

ESP Technical Project Manager
205-992-6697 Office
205-253-2559 Cell
205-992-5763 Fax
Mailing Address
Post Office Box 1295
Birmingham, AL 35201
Street Address
Building 42
Inverness Center Parkway
Birmingham, AL 35242

> _____
> From: Moore, Don P.
> Sent: Monday, May 01, 2006 4:36 PM
> To: McCallum, Thomas O.
> Cc: lindvall@lettis.com; Robin K. McGuire; Litehiser, Joe;
> lindvall@lettis.com; John Prebula; Martin Chapman;
BYoungs@geomatrix.com;
> Carl Stepp; Robert Kennedy; Pierce, Chuck R.
> Subject: Eastern Tennessee Seismic Source Zone - Vogtle ESP
>
> At the NRC meeting of April 14, 2006 NRC raised a question about the
> Eastern Tennessee Seismic Zone (ETSZ) in regards to the seismic hazard at
> the Vogtle site. Our recollection is that Cliff Munson asked if we modified
> the ETSZ given recent paper(s) suggesting larger Mmax for that zone. After
> this meeting Scott Lindvall of William Lettis & Assoc. and Martin Chapman
> and Bob Youngs, both members of the Vogtle ESP Ground Motion Review &
> Advisory Panel, said they did not know what publication(s) Cliff was
> referring. We would appreciate knowing what reference(s) were the basis for
> the question or providing additional clarification on the question raised
> about the ETSZ.
>
> You assistance is greatly appreciated.

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**Subject:** RE: FW: Eastern Tennessee Seismic Source Zone - Vogtle ESP
**Creation Date:** 5/3/2006 12:00:14 PM
**From:** "McCallum, Thomas O." <TOMCCALL@southernco.com>

**Created By:** TOMCCALL@southernco.com

**Recipients** "Chuck R. Pierce" <CRPIERCE@southernco.com>,"Don P. Moore" <DPMOORE@southernco.com>
"Christian Araguas" <CJA2@nrc.gov>

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