

July 7, 2007

MEMORANDUM TO: Stephanie M. Coffin, Branch Chief
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

FROM: Jan Mazza, Project Manager */RA/*
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SOUTHERN NUCLEAR OPERATING COMPANY (SNC) EARLY SITE
PERMIT (ESP) APPLICATION FOR THE VOGTLE ESP SITE-
SUMMARY OF TELEPHONE CALL HELD ON MARCH 24, 2008 TO
DISCUSS ITAAC FOR BACKFILL AND WATERPROOF MEMBRANE;
AND GMRS HAZARD CURVES

This memorandum documents a telephone conference between the U.S. Nuclear Regulatory Commission staff and Southern Nuclear Operating Company on March 24, 2008.

A summary of the call is enclosed.

Docket No. 52-011

Enclosure:
Telephone Conference Call

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NRC-001

OFFICE	DNRL/NWE1:LA	DNRL/NWE1:PM	DNR/NWE1:BC
NAME	KGoldstein	JMazza	SCoffin
DATE	06/02/08	06/03/08	07/07/08

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Telephone Call Summary

Subject: ITAAC for Waterproof Membrane and Backfill

Date of Call: March 24, 2008

Participants

NRC

Becky Karas
Jan Mazza
Tom Cheng
Jim George
Clifford Munson
Wayne Bieganousky

Bechtel

John Prebula
Bob Prunte
John Damm
Mike Lewis

SNC

Jim Davis
Tom McCallum
Don Moore

Westinghouse

Wes Weisman

Shaw Power

Steve Nance

Referenced documents

Accession Number	Title	Date
ML073470851	Vogtle Electric Generating Plant Units 3 & 4 Early Site Permit Application	Revision 3 - November 2007

Discussion

On March 24, 2008, at the request of NRC staff, a phone call was held to discuss the proposed ITAAC for the backfill to be placed as part of the Limited Work Authorization (LWA), and the ITAAC for the waterproof membrane to be installed as part of the LWA. Southern Nuclear (SNC) provided the proposed ITAAC's as well as additional descriptive text to be included in revision 4 of the Vogtle Early Site Permit (ESP) by e-mail prior to the call (ML080850729). The NRC staff reviewed the ITAACs and proposed changes. Staff discussed potential concerns and modifications which SNC agreed to incorporate. SNC agreed to make the changes and include them in revision 4 of the ESP. One other topic of discussion was the shear wave velocity testing method. NRC staff suggested that SNC use more than one testing method to demonstrate the required shear wave velocity beneath the nuclear island foundation. SNC agreed that SASW would be the primary testing method and another method would be used to confirm the validity of the SASW data.

The final topic of discussion was a request by the NRC staff for SNC to provide updated soil hazard curves for additional exceedance frequencies between 10-4, 10-5, and 10-6. These curves are necessary due to the new Ground Motion Response Spectra GMRS location. SNC agreed to provide the curves as a supplement to RAI 2.5.2-3.