From: "Williams, Dana M." <X2DANAWI@southernco.com>
To: "William Travers" <WDT@nrc.gov>,"William Burton" <WFB@nrc.gov>,"David Matthews" <DBM@nrc.gov>,<"rwb@nrc.gov".NRGWIA01.NRGWDO01@nrc.gov>,<gjm1@rnc.gov>
Date: 5/22/2007 12:17:52 PM
Subject: SNC Letter AR-07-1048 transmitting VEGP ESP Limited Work Authorization
cc: "Christian Araguas" <CJA2@nrc.gov>,"Mark Notich" <mdn@nrc.gov>

> An electronic copy of Southern Nuclear's letter, AR-07-1048, dated May 21,
> 2007 is attached for your review. In addition, a hard copy has been
> transmitted to the NRC Document Control desk via FedEx.
>
> <<AR-07-1048_LWA.pdf>>
>
> Thank you,
>
> Dana Williams
> Southern Nuclear Operating Company
> Nuclear Development
> P 205.992.5934
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>
>

Hearing Identifier: Vogtle_Non_Public
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Creation Date: 5/22/2007 12:17:52 PM
From: "Williams, Dana M." <X2DANAWI@southernco.com>

Created By: X2DANAWI@southernco.com

Recipients "Christian Araguas" <CJA2@nrc.gov>,"Mark Notich" <mdn@nrc.gov>
"William Travers" <WDT@nrc.gov>
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Files	Size	Date & Time
MESSAGE	390	5/22/2007 12:17:52 PM
AR-07-1048_LWA.pdf	32487	5/31/2007 1:40:43 PM
Mime.822	47513	5/31/2007 1:40:43 PM

Options
Priority: Standard
Reply Requested: No
Return Notification: None
None

Concealed Subject: No
Security: Standard

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SOUTHERN COMPANY
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MAY 21 2007

Docket No.: 52-011

AR-07-1048

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Early Site Permit Application
Limited Work Authorization

Ladies and Gentlemen:

On May 2, 2007, Southern Nuclear Operating Company (SNC) advised the U.S. Nuclear Regulatory Commission (NRC) of its need to withdraw its request for a Limited Work Authorization (LWA), contained in the above referenced application for an Early Site Permit for Vogtle Electric Generating Plant (VEGP) Units 3 and 4, and to submit a new request for an LWA in light of NRC's SECY-07-0030, *Final Rulemaking on Limited Work Authorization*. SNC informed the NRC that consideration was being given to providing the NRC with a revised request for an LWA in a future Vogtle Early Site Permit (ESP) Application revision, and asked to engage the NRC on the proper timing and level of detail for such a revision. The NRC responded by requesting that SNC provide the scope of work activities being considered by letter to initiate these discussions. This letter provides the scope of LWA work activities under consideration.

SNC is considering revising the VEGP ESP application in the near future to address the new LWA process as described in SECY-07-0030. If pursued in the ESP application, SNC would formally request that the existing LWA-1 request in the Environmental Report and the Redress Plan (i.e., ESP application Parts 3 and 4, respectively) be withdrawn in light of the amended 10 CFR 50.10, *License required*. A revised Environmental Report and Redress Plan would be provided to reflect the new LWA request. In addition, the Site Safety Analysis Report (SSAR) portion of the ESP application (i.e., Part 2) would be revised, as described in proposed 10 CFR 50.10 d(3), to include a description of the activities to be performed along with related design and construction information. And finally, SNC proposes to revise SSAR Chapter 1, *Introduction and General Description*, to include a request for an LWA in accordance with 10 CFR 50.10 d(3) and to point to the application sections describing the activities for which SNC is requesting an LWA.

The Vogtle ESP already addresses many technical elements of the LWA safety analysis associated with the engineered backfill. In addition, the Westinghouse AP1000 also addresses many technical elements associated with structural concrete and foundations. Specific ESP sections SNC expects would be revised or included are the following. Backfill related activities would be pursued. The scope of additional activities pursued would be subject to the level of analysis required and the impact on schedule.

In SSAR Section 2.5.4.5, *Excavation and Backfill.*

- Placement of engineered backfill
- Installation and use of retaining walls/sheet piling

In SSAR Section 3.8.5, *Foundations*

- Nonstructural Concrete (e.g., mudmats)
- Placement of reinforcing bars that will be incorporated into the permanent foundation
- Erection of concrete forms that will remain in place
- Placement of concrete constituting the foundation of systems, structures and components (SSCs) that meet the definition of construction in the new rule.

SNC is looking forward to further discussion with the NRC in the near future to allow SNC to move forward with an LWA for proposed VEGP Units 3 and 4. If you have any questions or require additional information regarding this matter, please contact J. T. Davis at (205) 992-7692.

Respectfully submitted,

Joseph. A. (Buzz) Miller

JAM/BJS/dmw

cc: Southern Nuclear Operating Company
Mr. J. B. Beasley, Jr., President and CEO
Mr. J. T. Gasser, Executive Vice President, Nuclear Operations
Mr. T. E. Tynan, Vice President - Vogtle
Mr. D. M. Lloyd, Vogtle Deployment Director
Mr. C. R. Pierce, Vogtle Development Licensing Manager
Document Services RTYPE: AR01
File AR.01.01.06

Nuclear Regulatory Commission
Mr. R. W. Borchardt, Director of Office of Nuclear Regulation
Mr. W. D. Travers, Region II Administrator
Mr. D. B. Matthews, Director of New Reactors
Ms. S. M. Coffin, AP1000 Manager of New Reactors
Mr. C. J. Araguas, Project Manager of New Reactors
Mr. W.F. Burton, Chief – Environmental Technical Support
Mr. M. D. Notich, Environmental Project Manager
Mr. G. J. McCoy, Senior Resident Inspector of VEGP

Georgia Power Company
Mr. O. C. Harper, Vice President, Resource Planning and Nuclear Development

Oglethorpe Power Corporation
Mr. M. W. Price, Chief Operating Officer

Municipal Electric Authority of Georgia
Mr. C. B. Manning, Senior Vice President and Chief Operating Officer

Dalton Utilities
Mr. D. Cope, President and Chief Executive Officer

Bechtel Power Corporation
Mr. J. S. Prebula, Project Engineer
Mr. R. W. Prunty, Licensing Engineer

Tetra Tech NUS, Inc.
Ms. K. K. Patterson, Project Manager (w/o enclosures)