

November 8, 2004

Mr. Garry L. Randolph
Vice President and Chief Nuclear Officer
Union Electric Company
Post Office Box 620
Fulton, MO 65251

SUBJECT: CALLAWAY PLANT, UNIT 1 – WITHDRAWAL OF DEFENSE-IN-DEPTH AND DIVERSITY ASSESSMENT FOR DIGITAL UPGRADE OF INSTRUMENTATION AND CONTROL SYSTEMS (TAC NO. MC2287)

Dear Mr. Randolph:

By letter dated March 4, 2004 (ULNRC-04945), you submitted a defense-in-depth and diversity (D³) assessment for the Framatome Advanced Nuclear Power (FANP) TELEPERM XS system to be installed in the Callaway Plant. The D³ assessment was submitted in a proprietary and a non-proprietary version. The FANP TELEPERM XS system was to replace the current analog-based instrumentation and control (I&C) systems, including the reactor trip system and engineered safety features actuation systems, with a digital-based system, and the D³ assessment was to support license amendment requests for the planned I&C system replacements at Callaway. This D³ assessment was submitted jointly with the Wolf Creek Nuclear Operating Corporation, and review of this D³ assessment was requested by December 1, 2004.

A meeting that included representatives of the Wolf Creek Nuclear Operating Corporation was held on April 15, 2004, in which the NRC staff recommended that your staff consider submitting an alternative to the D³ assessment if approval was needed by December 1, 2004. The meeting summary was issued by the NRC on April 22, 2004. A letter accepting the proprietary information submitted in the letter of March 4, 2004, was issued by the NRC on April 22, 2004.

In the letter of September 24, 2004 (ULNRC-05061), your staff stated that, based in part on the discussion in the April 15, 2004, meeting, it has decided to withdraw the D³ assessment and submit a new D³ assessment at a later date. In addition, the implementation schedule for the FANP TELEPERM XS modifications at Callaway has been postponed. Based on the letter of September 24, 2004, we have closed out our review of the D³ assessment of the FANP TELEPERM XS system and TAC No. MC2287 is closed.

Sincerely,

/RA/

Jack Donohew, Senior Project Manager, Section 2
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-483

cc: See next page

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Jack Donohew, Senior Project Manager, Section 2
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-483 DISTRIBUTION:

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Callaway Plant, Unit 1

cc:

Professional Nuclear Consulting, Inc.
19041 Raines Drive
Derwood, MD 20855

John O'Neill, Esq.
Shaw, Pittman, Potts & Trowbridge
2300 N. Street, N.W.
Washington, D.C. 20037

Mr. Mark A. Reidmeyer, Regional
Regulatory Affairs Supervisor
Regulatory Affairs
AmerenUE
P.O. Box 620
Fulton, MO 65251

U.S. Nuclear Regulatory Commission
Resident Inspector Office
8201 NRC Road
Steedman, MO 65077-1302

Mr. Chris Younie
Manager, Quality Assurance
AmerenUE
P.O. Box 620
Fulton, MO 65251

Manager - Electric Department
Missouri Public Service Commission
301 W. High
P.O. Box 360
Jefferson City, MO 65102

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-4005

Mr. Ronald A. Kucera
Deputy Director for Public Policy
Department of Natural Resources
P.O. Box 176
Jefferson City, Missouri 65102

Mr. Rick A. Muench
President and Chief Executive Officer
Wolf Creek Nuclear Operating Corporation
P.O. Box 411
Burlington, KA 66839

Mr. Dan I. Bolef, President
Kay Drey, Representative
Board of Directors Coalition for the
Environment
6267 Delmar Boulevard
University City, MO 63130

Mr. Lee Fritz, Presiding Commissioner
Callaway County Court House
10 East Fifth Street
Fulton, MO 65151

Mr. David E. Shafer
Superintendent, Licensing
Regulatory Affairs
AmerenUE
P.O. Box 66149, MC 470
St. Louis, MO 63166-6149

Mr. Keith D. Young
Manager, Regulatory Affairs
AmerenUE
P.O. Box 620
Fulton, MO 65251

Mr. Scott Clardy, Director
Section for Environmental Public Health
P.O. Box 570
Jefferson City, MO 65102-0570

Certrec Corporation
4200 South Hulen, Suite 630
Fort Worth, TX 76109