

UNION ELECTRIC COMPANY

1901 GRATIOT STREET  
ST. LOUIS, MISSOURI

DONALD F. SCHNELL  
VICE PRESIDENT

May 14, 1984

MAILING ADDRESS:  
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ST. LOUIS, MISSOURI 63166

Mr. W. S. Little, Chief  
Project Engineering Branch  
U.S. Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Mr. Little:

ULNRC- 820

INSPECTION REPORT NO. 50-483/82-21

- Ref.: 1) NRC letter dated August 26, 1983,  
Little to Schnell  
2) ULNRC-653, dated August 16, 1983

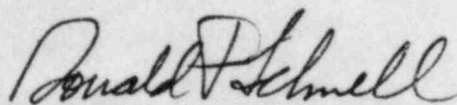
This reply is in response to Reference 1 which requested that we notify your office when the corrective actions taken in response to Item of Noncompliance 82-21-07 (and described in Reference 2) were completed.

The five remaining cables which were suspected of having exceeded the allowable sidewall pressure have been tested per E-01013(Q) and found acceptable.

In regard to the cable vendor's test program, the final results have yielded allowable sidewall pressure values similar to those which had been provided to us as a result of the interim test, and consequently have no impact on the Callaway installation.

If you have any questions regarding this response or if additional information is required, please let me know.

Very truly yours,



Donald F. Schnell

JGJ/msc

cc: W. L. Forney, NRC Region III  
NRC Resident Inspectors, Callaway Plant (2)  
Missouri Public Service Commission

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MAY 16 1984

## DETAILS

### 1. Persons Contacted

#### Union Electric Company (UECo)

- \*W. H. Weber, Manager, Nuclear Construction
- M. I. Doyne, General Superintendent, Callaway Construction
- T. H. McFarland, Superintendent, Nuclear Engineering
- \*J. R. Veatch, Supervising Engineer, Construction QA
- \*J. V. Laux, Supervising Engineer
- \*D. A. Bruyer, QA Consultant
- \*H. S. Elkins, Audit Response Coordinator
- \*B. K. Stanfield, QA Assistant Engineer

#### Daniel International Corporation DIC

- \*M. S. Stokes, Project Electrical Manager
- \*D. C. King, Construction Manager
- \*M. K. Smith, Audit Response Coordinator
- \*K. A. Distel, Instrumentation Supervisor
- \*R. H. Glassner, Compliance Supervisor
- \*D. A. Boone, SQE
- \*D. L. Vandangraft, Senior Quality Assurance Engineer
- \*D. F. Burlison, SEQS
- \*R. A. Somers, PQIM
- \*R. C. Byrd, PQSE
- \*W. A. Norton, Electrical Compliance Engineer
- C. E. Wilson, Quality Assurance

The inspector also contacted and interviewed other licensee and contractor personnel, including crafts persons, technical and engineering staff members.

\*Denotes those persons present at the exit interview on December 2, 1983.

### 2. Licensee Action on Previous Inspection Findings

(Closed) Noncompliance (483/82-21-07): It was previously identified that the tension exerted in pulling Class 1E cable No. 1A1B01AA, apparently resulted in the maximum allowable sidewall pressure exceeding Bechtel's design specification. In addition, tension limitations as a function of allowable sidewall pressure had been mis-calculated. Subsequently, the licensee examined and evaluated the installation records of a total of 114 cables and determined that eleven 5KV cables and one 600V cable had apparently been overtensioned. Bechtel provided guidelines for the disposition of cables whose training bend radius and/or sidewall pressure requirements that been violated. DC volatge Hi Pot tests were performed using a 36KV test voltage and documented. Results of the tests were evaluated and determined to be acceptable.