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To whom it may concern:

This letter is issued to provide additional test information, revised recommended actions and final close-out of the potential defect concerning GRAYBOOT socket contacts. Notifications regarding this potential defect were previously provided on May 15th, May 31st and June 9th. As documented, Curtiss-Wright, Nuclear Division, Huntsville Operations was contacted by Georgia Power Vogtle Nuclear Power Plant on March 16, 2017 concerning a potential defect wherein GRAYBOOT socket contact tines were in a relaxed state. This notification of a potential defect concerns model GB-1 GRAYBOOT kits supplied with two-tined, silver-plated, 12-14 AWG socket contacts.

Based upon this scope, potentially affected and not affected kits/parts were considered to be:

Potentially Affected	Not Affected
GB-1(12-14) GRAYBOOT kits	Any GRAYBOOT "A" kits/parts
GB-1(12-14/16-18) GRAYBOOT kits	Any model GB-2 or GB-3 GRAYBOOT kits/parts
GB-1-6 GRAYBOOT 12-14 AWG socket contacts	Any model GB-1 GRAYBOOT kits/parts with 16-18 AWG socket contacts

Our evaluation is documented in Report No. EGS-TR-880708-15 and is available for review at our facility in Huntsville, AL. The results identify the most likely root cause is improper heat treating of the socket contacts during manufacturing. Additional testing and analysis was performed to confirm that any affected GRAYBOOT assemblies can still perform their safety-related function and do not present a substantial safety hazard.

At initial issuance, the evaluation documented in Report No. EGS-TR-880708-15 presented metallurgical analysis as well as thermal, functional and seismic testing. This report has been revised to include cycle aging, functional testing and pull-out force. Test results confirm that affected socket contacts will continue to perform their intended safety function throughout their qualified life.

Based on these final findings, no further actions are recommended for the potentially affected utilities previously notified. Any potentially affected socket contacts, either in inventory or installed, are acceptable for use in their intended safety-related application.

It is recommended that all utilities confirm that installation and handling of GRAYBOOT assemblies is in accordance with Installation Instructions EGS-TR-880707-02.

For additional information, please contact Samuel Bledsoe, EGS Products Engineering Manager (1-256-690-7852) or Tony Gill, EGS and Trentec Quality Assurance Manager (1-256-426-4558).

Sincerely,

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