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October 18, 1996

Mr. William Russell, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Quad Cities Nuclear Power Station Unit One
Unit One Cycle 15 Startup Test Report
NRC Docket No. 50-254

Mr. Russell:

Enclosed for your information and use is the Quad Cities Station Unit One Cycle 15 Startup Test Report Summary. These tests comprise a subset of the overall test program. This report is submitted in accordance with station procedure QCTP 920-4 and Amendment 171 of DPR-29, dated 6-28-96.

Quad Cities Unit One commenced Cycle 15 operation on August 24, 1996 following a refueling outage. The Cycle 15 core loading consists of 232 fresh fuel bundles (8x8 GE10 fuel) and 492 reload bundles.

All test data taken has been reviewed in accordance with applicable station procedures. Exceptions from any criteria were evaluated to verify compliance with Technical Specification limits to ensure the acceptability of subsequent test results.

Attached are the evaluations of the following tests:

- Core Verification
- Shutdown Margin Determination and Control Rod Functional Checks
- Initial Critical Prediction
- Core Power Distribution

Please contact the Nuclear Engineering group at (309) 654-2241 ext. 2161 if there are any questions.

Very truly yours,

Jason Smith
Lead Nuclear Engineer

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cc: H. Miller, Regional Administrator-RIII
C. Miller, Resident Inspector-Quad Cities
R. Pulsifer, Project Manager-NRR
A Unicom Company

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