

TENNESSEE VALLEY AUTHORITY

5B Lockout Place
Chattanooga, Tennessee 37402-2801
December 7, 1990

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of)
Tennessee Valley Authority) Docket Nos. 50-327
50-328

SEQUOYAH NUCLEAR PLANT (SQN) - RESULTS OF TVA'S RADIOCHEMICAL ANALYSIS OF
SPIKED SAMPLES IN ACCORDANCE WITH NRC CONFIRMATORY MEASUREMENTS PROGRAM

Reference: B. A. Wilson's letter to O. D. Kingsley, Jr., dated
October 12, 1990, "Docket Nos. 50-327 and 50-328"

Below are the results of the radiochemical analysis performed on the NRC
cross-check samples in compliance with SQN's participation in NRC's
confirmatory measurements program for 1990. The samples arrived at the plant
site on October 11, 1990.

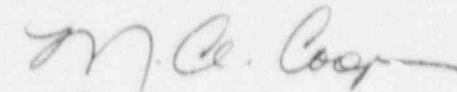
The iron and strontium analyses were performed by TVA's vendor laboratory, and
the tritium was analyzed by SQN's chemistry laboratory.

<u>Radionuclide</u>	<u>Concentration (uCi/ml)</u>
Tritium H ₃	4.10E-5
Strontium 89 S _r 89	5.69E-5
Strontium 90 S _r 90	2.69E-6
Iron Fe ₅₅	7.43E-5

If you have any questions concerning this submittal, please telephone
M. A. Cooper at (615) 843-6422.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



E. G. Wallace, Manager
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December 7, 1990

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