

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

June 14, 1982

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Ms. Adensam:

In the Matter of)	Docket Nos. 50-327
Tennessee Valley Authority)	50-328
		50-390
		50-391

The Sequoyah Nuclear Plant operating licenses for units 1 and 2 have a condition in each license (2.C.22(D).2 for unit 1 and 2.C.16(h).2 for unit 2) that requires TVA to continue a research program on hydrogen control. Our sixth quarterly report was submitted on April 23, 1982. Enclosed is additional information summarizing the testing performed on the Tayco Igniter for use in the Permanent Hydrogen Mitigation System (PHMS).

Based on the extensive testing conducted, TVA has selected a 120-V AC thermal igniter manufactured by Tayco Engineering as the igniter to be installed in the PHMS for the Sequoyah and Watts Bar Nuclear Plants. This information is being provided in advance of our next quarterly report to allow NRC to continue the review of this issue.

If you have any questions concerning this matter, please get in touch with J. E. Wills at PTS 858-2683.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills
L. M. Mills, Manager
Nuclear Licensing

Sworn to and subscribed before me
this 14th day of June 1982

Paulette N. White
Notary Public
My Commission Expires 9-5-84

Enclosure

cc: U.S. Nuclear Regulatory Commission
Region II
Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

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