



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

February 22, 1988

Docket Nos. 50-327/328

Mr. S. A. White
Manager of Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. White:

SUBJECT: TAYCO IGNITER TEST RESULTS AND OPERABILITY

Re: Sequoyah Nuclear Plant, Units 1 and 2

Sequoyah Nuclear Plant, Units 1 and 2, License DPR-77, License Condition 2.C.22.D, and License DPR-79, License Condition 2.C.16.h required the Tennessee Valley Authority (TVA) to perform additional tests on the Tayco hydrogen igniters in order to demonstrate that the igniter will initiate combustion in a spray environment such as that expected in the upper compartment of the ice condenser containment.

In December 1982, the NRC staff issued NUREG-0011, Supplement No. 6 which documents the NRC staff safety evaluation of hydrogen control at the Sequoyah Nuclear Plant, Units 1 and 2. The conclusions of NUREG-0011, Supplement No. 6 state that subject to satisfactory resolution of the open item regarding the Tayco igniter, the staff finds the license conditions dealing with hydrogen control during postulated degraded core accidents to be satisfactorily resolved.

By letter dated October 11, 1983, NRC staff transmitted to TVA concerns regarding the proposed methodology and conduct of the Tayco igniter test program. By letter dated November 1, 1983, TVA provided NRC with a response to those concerns. NRC staff has evaluated the TVA response and the Tayco igniter test program test results and has found them to be acceptable.

Since the NRC staff has now resolved the Tayco igniter open item, License Conditions 2.C.22.D of DPR-77 and 2.C.16.h of DPR-79 have been fully satisfied.

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PDR ADOCK 05000327
P PDR

A staff safety evaluation is also enclosed. If you should have any questions regarding the above, please contact Mr. Thomas S. Rotella, NRC staff Sequoyah Project Manager at 301-492-0788.

Sincerely,

Original Signed by
Gary G. Zech, Assistant Director
for Projects
TVA Projects Division
Office of Special Projects

Enclosure:
As stated

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2/1/88

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Mr. S. A. White
Tennessee Valley Authority

Sequoyah Nuclear Plant

cc:
General Counsel
Tennessee Valley Authority
400 West Summit Hill Drive
E11 B33
Knoxville, Tennessee 37902

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W.
Atlanta, Georgia 30323

Mr. R. L. Gridley
Tennessee Valley Authority
5N 157B Lookout Place
Chattanooga, Tennessee 37402-2801

Resident Inspector/Sequoyah NP
c/o U.S. Nuclear Regulatory Commission
2600 Igou Ferry Road
Soddy Daisy, Tennessee 37379

Mr. H. L. Abercrombie
Tennessee Valley Authority
Sequoyah Nuclear Plant
P.O. Box 2000
Soddy Daisy, Tennessee 37379

Mr. Richard King
c/o U.S. GAO
1111 North Shore Drive
Suite 225, Box 194
Knoxville, Tennessee 37919

Mr. M. R. Harding
Tennessee Valley Authority
Sequoyah Nuclear Plant
P.O. Box 2000
Soddy Daisy, Tennessee 37379

Tennessee Department of
Public Health
ATTN: Director, Bureau of
Environmental Health Services
Cordell Hull Building
Nashville, Tennessee 37219

Mr. D. L. Williams
Tennessee Valley Authority
400 West Summit Hill Drive
W10 B85
Knoxville, Tennessee 37902

Mr. Michael H. Mobley, Director
Division of Radiological Health
T.E.R.R.A. Building
150 9th Avenue North
Nashville, Tennessee 37203

County Judge
Hamilton County Courthouse
Chattanooga, Tennessee 37402

Dr. Henry Myers, Science Advisor
Committee on Interior
and Insular Affairs
U.S. House of Representatives
Washington, D.C. 20515