



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

June 15, 1995

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

Gentlemen:

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

SEQUOYAH (SQN) AND WATTS BAR (WBN) NUCLEAR PLANTS - UPDATE OF
TVA'S MARCH 22, 1995, RESPONSES TO NRC REQUEST FOR ADDITIONAL
INFORMATION REGARDING GENERIC LETTER (GL) 92-08, "THERMO-LAG
330-1 FIRE BARRIERS"

This letter is to advise NRC of additional information that
has been developed as a result of TVA's performance of
Thermogravimetric Analysis (TGA) testing of Thermo-Lag 330-1
material. TVA's plans for conducting these analyses were
discussed in separate letters for SQN and WBN, both dated
March 22, 1995, which responded to NRC requests for additional
information.

TVA's testing program included conducting TGA analyses on
older Thermo-Lag 330-1 material (circa 1985) which was in
stock at TVA's Hartsville, Tennessee, warehouse. Purposes for
this testing included characterizing this older material,
which is representative of material installed at SQN, and
exploring the possibility of using a portion of this stocked
material as part of the initial installation of Thermo-Lag at
WBN. TVA has determined that there is a difference between
the TGA curves obtained from testing some of this older,
stocked material and those obtained as a result of testing
more recent vintage Thermo-Lag 330-1 material (see enclosure).
The more recent material is representative of material used in
the program of fire endurance testing conducted to support use
of Thermo-Lag at WBN. As a result of these differences, TVA
cannot now conclude that all of the older material is
acceptable for use at WBN.

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TVA has decided not to install at WBN at this time any of the older stocked material whose TGA curve is not similar to that of material used in fire exposure tests. All Thermo-Lag to be installed at WBN has been tested using TGA and is representative of that used in the fire endurance testing. Potential use of material with differing TGA traces at a later date will depend on the results of further evaluations as discussed below.

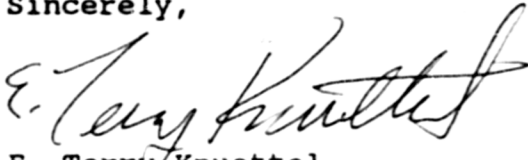
TVA will perform additional evaluations of the Thermo-Lag 330-1 material stored at Hartsville that does not match the TGA curves of material used in fire exposure testing to determine this material's performance characteristics as compared to that used in the fire testing program. The results of this evaluation will be contained in a future submittal for SQN that TVA previously committed to in the subject March 22, 1995, response. In the interim, compensatory measures will remain in effect.

TVA had initially planned on classifying Thermo-Lag 330-1 as a "Limited Combustible". This classification was based in part on testing performed by the Nuclear Utilities Management and Resource Council (NUMARC) and documented in their report "Thermo-Lag 330-1 Combustibility Evaluation Methodology Plant Screening Guide." Upon further review of the NUMARC report an error was discovered on page A1-8 regarding the units of combustion i.e., MJ/Kg vs. KJ/Kg. Based on this corrected information, TVA will be classifying Thermo-Lag 330-1 as a "Combustible Material."

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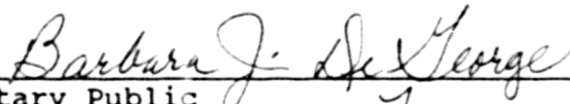
If you have any questions, please contact Paul Pace at WBN
(615) 365-1824 or Bill Ludwig at SQN (615) 843-7460.

Sincerely,



E. Terry Knuettel
Acting Manager
Corporate Licensing

Subscribed to and sworn to before me
this 15th day of June 1995.



Notary Public
My Commission Expires February 17, 1999

Enclosures
cc: See page 4

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cc (Enclosures):

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ENCLOSURE

**TENNESSEE VALLEY AUTHORITY
SEQUOYAH AND WATTS BAR NUCLEAR PLANTS
UPDATE OF TVA'S MARCH 22, 1995, RESPONSES TO NRC REQUEST FOR
ADDITIONAL INFORMATION**

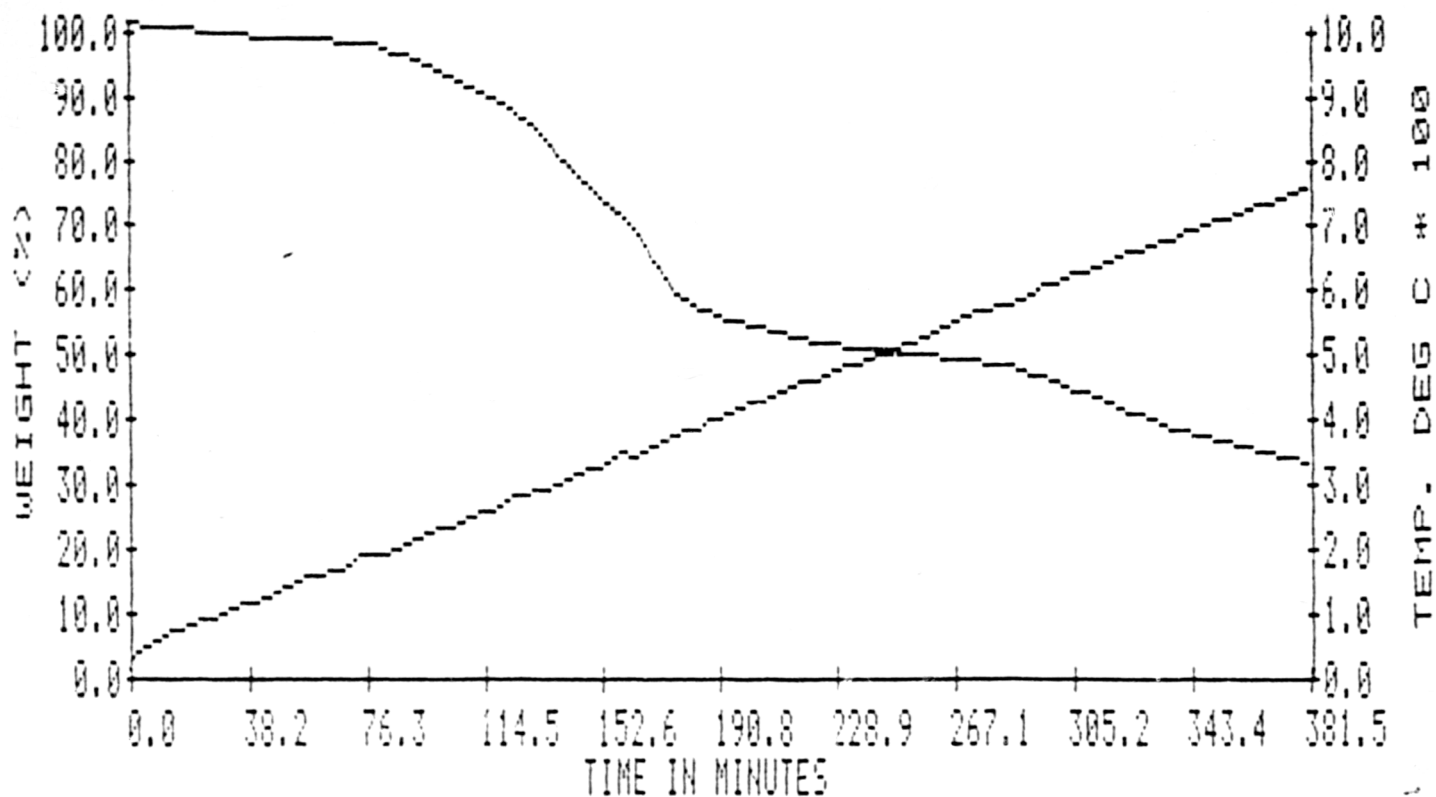
THERMO-LAG 330-1 THERMOGRAVIMETRIC(TGA) ANALYSIS TEST RESULTS

**Lot Numbers F94-07023 and F94-07014 (recent vintage) and
Lot Numbers F14828 and F9-906069 (stock material, circa 1985)**

THERMO-LAG

: Mar. 29, 1995

Elapsed Time : 06:19:00



Frn. #1 Cr. #10 Type: THERMO-LAG

ID: 34918 -09 Weight: 1.287 Gram(s)

Title : THERMO-LAG

Zero Dev : 10 Max Dev : 5

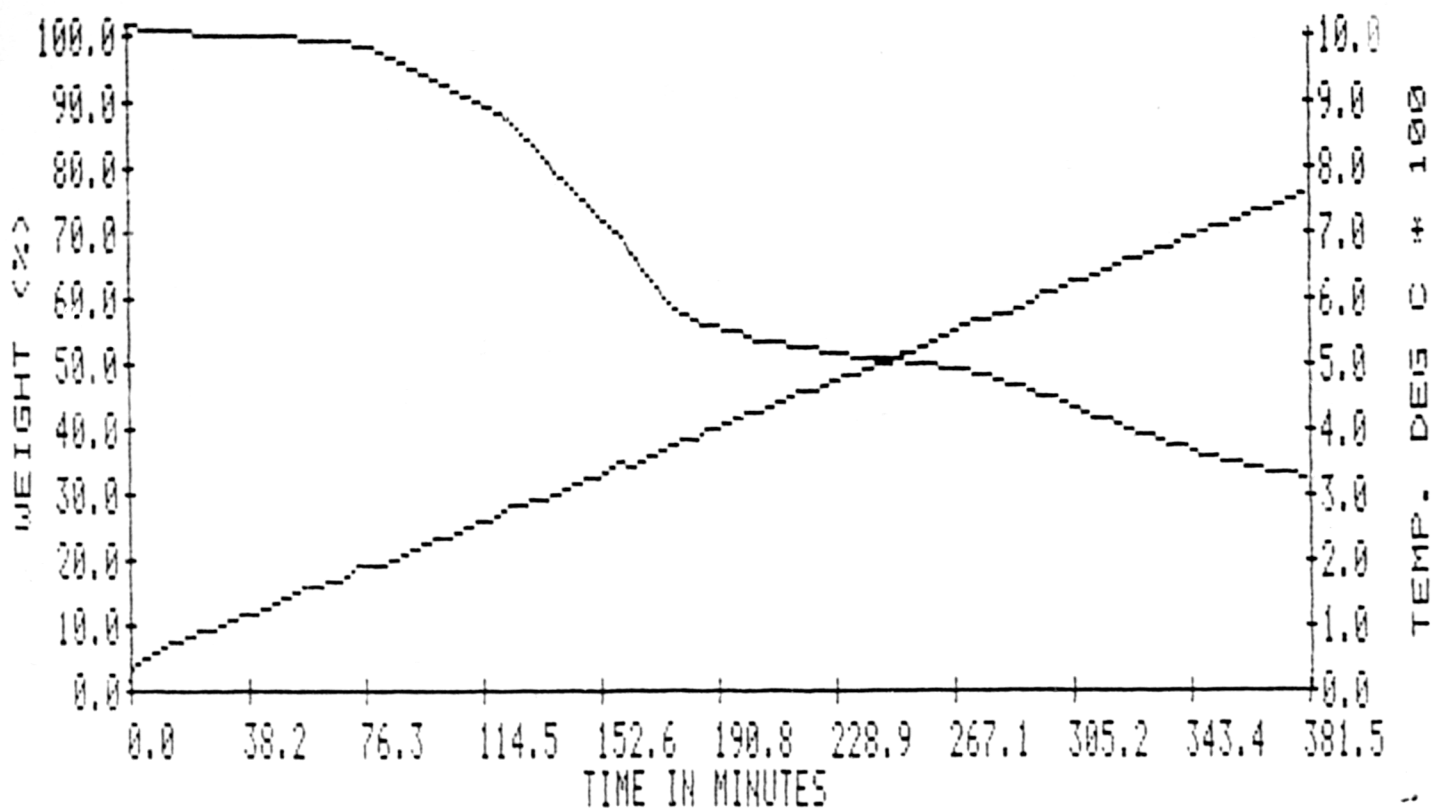
Step #	Cvr	Ramp Rate	Final Temp.	Mode/ ATM	Step End Mode.	Timeout or % Deviation
1	--	2 D/M	750 °C	B/N2	Timeout	0 Min.

Lot# F94-07023
"Recent Vintage"

THERMO-LAG

: Mar. 29, 1995

Elapsed Time : 06:19:00



Frn. #1 Cr. #17 Type: THERMO-LAG

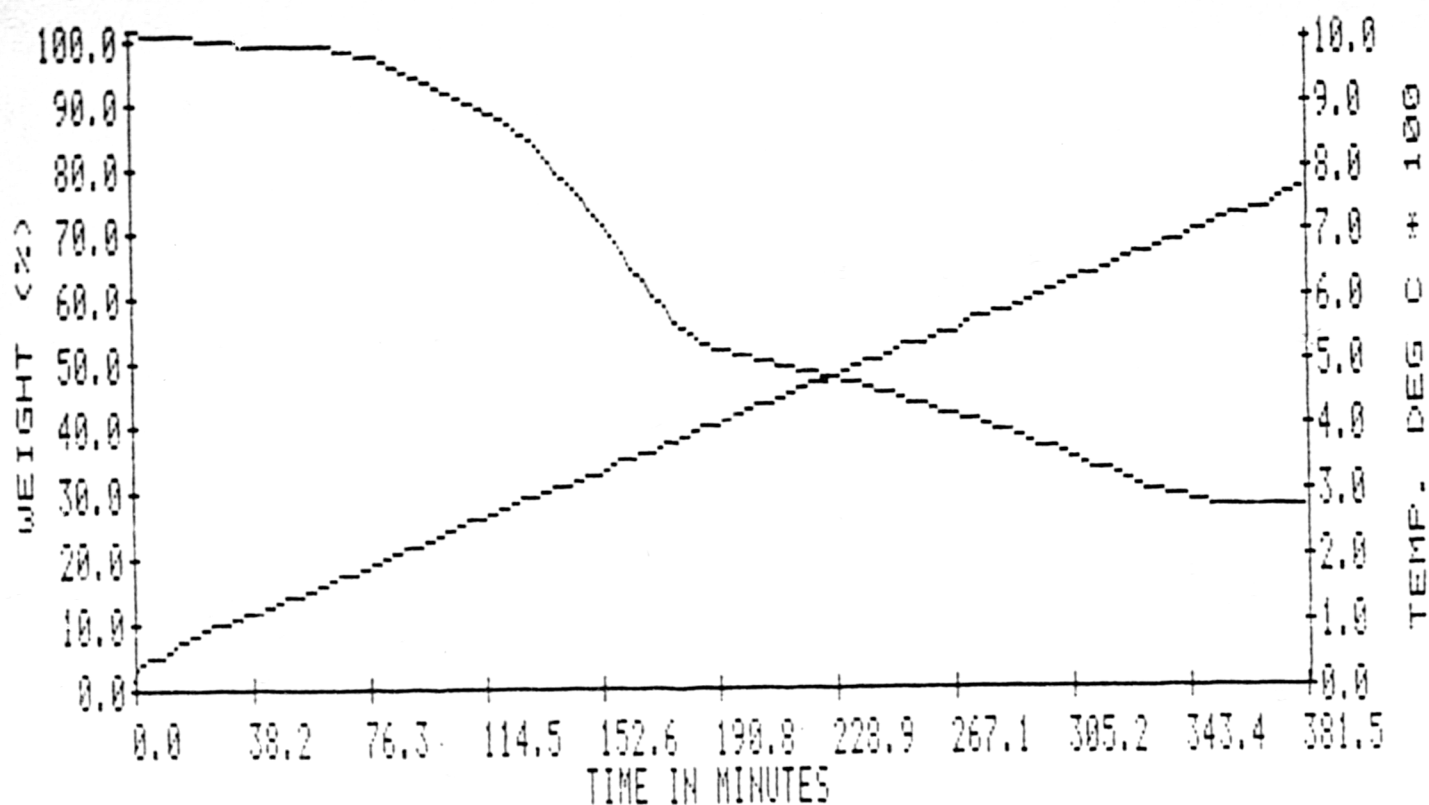
ID: 34925 -16 Weight: 1.346 Gram(s)

Lot# F94-07014
"Recent Vintage"

THERMO-LAG

Date : Apr. 11, 1995

Elapsed Time : 06:19:00



Frn.#1 Cr.#12 Type:thermolag

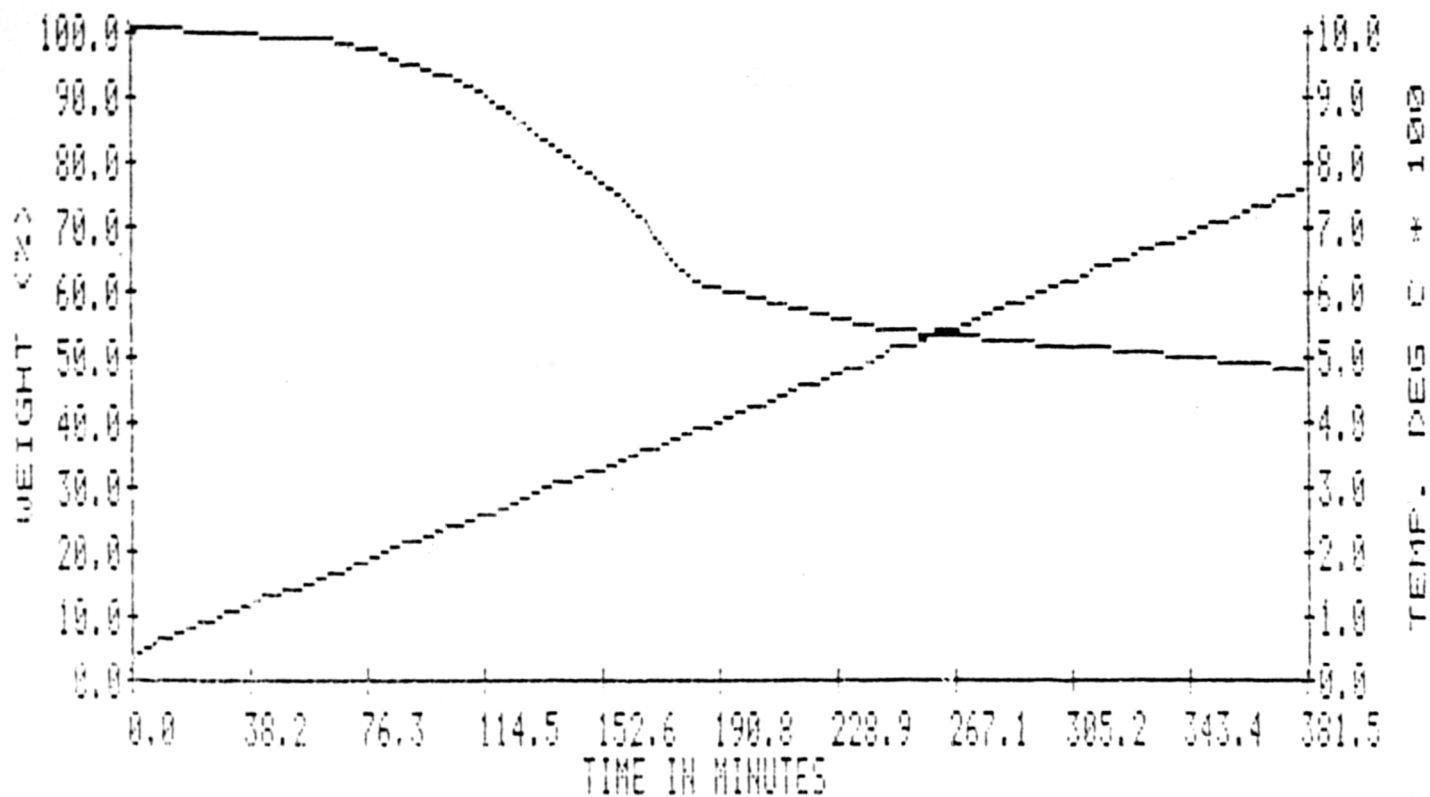
ID:35004 -13 Weight: 1.110 Gram(s)

Lot# F9-906069
"Old Stock"

THERMO-LAG

Date : Apr. 14, 1995

Elapsed Time : 06:19:00



Run #1 Cr. #15 Type:THERMO-LAG

ID:35061 -16 Weight: 1.095 Gram(s)

Title : THERMO-LAG

Zero Dev : 10 Max Dev : 5

Step #	Cvr	Ramp Rate	Final Temp.	Mode/ ATM	Step End Mode.	Timeout or % Deviation
1	--	2 D/M	750 °C	B/N2	Timeout	0 Min.

Lot # F14828
'old Stock'

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