



Tennessee Valley Authority, Post Office Box 2000, Soddy-Daisy, Tennessee 37379

December 18, 1995

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

Gentlemen:

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

SEQUOYAH NUCLEAR PLANT (SQN) - CONTROL ROD DRIVE THERMAL SLEEVE
GUIDE FUNNEL FAILURE (TAC NO. M90443)

Reference: NRC letter to TVA dated October 27, 1994

The purpose of this letter is to provide the requested information detailed in the
referenced letter. Items to be considered and TVA's response are listed below.

1. TVA should consider incorporating "steps in the refueling procedures to perform
visual or TV camera inspection of the top of the internals structure when the head
is removed."

Response: This request has been incorporated into SQN Maintenance Instruction
O-MI-MRR-068-005.0, "Removal of Reactor Pressure Vessel Head and
Attachments."

2. TVA should "commit to periodically monitor the condition of the welded connection
between the CRDM thermal sleeve guide tube and the nozzle to determine if the
performance meets expectations."

Response: The assembly method uses standard welding and engineering
calculations previously used in the original vessel assembly. TVA contends that
the funnel weld is adequate and further inspections are not required. However, if
TVA decides to weld the remaining funnels during the Unit 2 Cycle 7 refueling
outage, then an inspection of the previously welded funnels will be performed. The
final decision will be based on both available plant resources and ALARA
considerations. Westinghouse Electric Corporation was involved in and approved
this new design.

9512290225 951218
PDR ADOCK 05000327
P PDR

296008


D030 1/0

3. TVA should "conduct a TV camera survey of all funnel attachments prior to setting the vessel head on the storage stand. This survey should include an assessment of the integrity of the funnels by evaluating elevation differences and close inspection of the thermocouple column funnel pins."

Response: For Unit 1, this inspection is no longer required since all the guide and thermocouple funnels were welded to their respective head penetration during the past Cycle 7 refueling outage. For Unit 2, all the guide funnels were inspected during its Cycle 6 refueling outage; therefore, additional inspections are not required at this time. As discussed in (1) above, TVA may elect to weld all the funnels during the upcoming refueling if resources and NLRRA concerns permit the modifications.

Please direct questions concerning this issue to Bill Ludwig at (423) 843-7460.

Sincerely,



R. H. Shell
Manager
SQN Site Licensing

cc: Mr. D. E. LaBarge, Project Manager
Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852-2739

NRC Resident Inspector
Sequoyah Nuclear Plant
2600 Igou Ferry Road
Soddy-Daisy, Tennessee 37379-3624

Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323-2711