

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

January 25, 1983

Director of Licensing
Attention: Mr. Domenic B. Vassallo, Chief
Operating Reactors Branch No. 2
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Vassallo:

| | | |
|----------------------------|---|--------------------|
| In the Matter of the |) | Docket Nos. 50-259 |
| Tennessee Valley Authority |) | 50-260 |
| | | 50-296 |

By your letter dated August 26, 1982 to H. G. Parris, TVA received the draft Technical Evaluation Report (TER) entitled, "Control of Heavy Loads - NUREG-0612, Section 2.1," for Browns Ferry Nuclear Plant. As a result of our review of the TER, a conference call was held with Fred Clemenson of the NRC staff on October 28, 1982. Specifically, Section 3.1, "General Provisions for Load Handling," pages 19, 23, and 24 of the TER were reviewed in the conference call to determine TVA compliance. Enclosed is an item-by-item description of TVA's responses which were presented to Mr. Clemenson in the conference call.

In addition, TVA is rereviewing eight lifting devices for compliance with NUREG-0612, section 2.1 and will submit the results of this evaluation by March 15, 1983.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

D S Kammer

D. S. Kammer
Nuclear Engineer

Subscribed and sworn to before
me this 25th day of January 1983.

Paulette H. White
Notary Public

My Commission Expires 9-5-84

Enclosure
cc: See page 2

A033

Mr. D. B. Vassallo

January 25, 1983

cc (Enclosure):

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

Mr. R. J. Clark
Browns Ferry Project Manager
U.S. Nuclear Regulatory Commission
7920 Norfolk Avenue
Bethesda, Maryland 20814

NRC REQUIREMENTS

GUIDELINES

- 1a. Verify that visual aids identifying safe load paths/areas are provided for operators and supervisors.
- 1b. Verify that deviations from safe load paths are approved with written alternative procedures by the plant safety review committee.
2. Provide information describing the administrative controls for load handling for the truck crane and the 4-ton manual chain hoist.
3. (Browns Ferry Units 1, 2, and 3 comply with this guideline.) *However, NRC requested TVA review compliance with ANSI B30.5 for truck crane operator training.
- 4a. Review GE- and EN DES-designed special lifting devices for compliance to ANSI N14.6-1978.
- 4b. Review EN DES-provided data for specially designed slings for compliance to ANSI B30.9-1971 relative to safety factors and proof tests.
5. Verify that slings are selected and marked with rated loads based on the maximum static and dynamic loads.

TVA RESPONSE

MMI-119 will be revised by June 1, 1983 requiring the person in charge of each "heavy load" lift to walk the predetermined safe load path for the benefit of the crane operator and the flagman.

MMI-119 will be revised by June 1, 1983 to require Plant Operational Review Committee's (PORC) approval for any deviation from a safe load path which will require a "heavy load" to be lifted over spent fuel or functional safe shutdown equipment.

Administrative controls for these lifting devices will be incorporated into MMI-119 by June 1, 1983. TVA will provide this information by June 30, 1983.

This review will be performed by June 1, 1983, and a determination whether compliance is reasonable.

TVA is negotiating with GE for review of special lifting devices along with TVA's review. Information should be available by July 31, 1983.

Results of this review will be submitted by July 31, 1983.

Results of this review will be submitted by July 31, 1983.

NRC REQUIREMENTS

GUIDELINES

6. (Browns Ferry Units 1, 2, and 3 comply with this guideline.)
Minor exceptions:
- o Inspecting, testing, and maintenance data cover sheets should include a check point for completion of electrical checks.
 - o Rope reeving checks should be included as a frequent inspection item.
7. (Browns Ferry Units 1, 2, and 3 comply with this guideline.) In addition, the Licensee should reevaluate the 3-ton jib crane and the 7.5-ton wire rope hoist for inclusion under the general guidelines of NUREG-0612.

TVA RESPONSE

- o Browns Ferry Electrical Maintenance Instruction (EMI-2) currently provides adequate electrical checkout of the RB Crane
 - o Rope reeving checks are currently required as frequent inspections by Division Procedures Manual (DPM) N74M15. Browns Ferry MMI-117 will be revised to reflect this requirement by June 1, 1983.
- (1) A design change request will be initiated by June 1, 1983 requiring a stop to be installed to prevent the jib from swinging into the critical electrical panels. (2) On the 7.5-ton electrical wire rope hoist there is sufficient physical separation to preclude any safety impacts.

Interim Actions

NRC INTERIM MEASURES

- 1 (Browns Ferry Units 1, 2, and 3 comply with this interim measure.)
- 2,3 Implement the recommendations of Guidelines 1 and 2.
- 4,5 (Browns Ferry Units 1, 2, and 3 comply with these interim measures.
- 6 Perform the special review identified for this interim measure.

TVA RESPONSES

The interim protection guidelines will be implemented for these handling systems by June 1, 1983.

This review was performed during implementation of interim guidelines for the reactor building crane before May 1981 and is contained in MMI-119.