

July 24, 1992

Docket Nos. 50-390
and 50-391

Tennessee Valley Authority
ATTN: Dr. Mark O. Medford, Vice President
Nuclear Assurance, Licensing and Fuels
3B Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Dr. Medford:

SUBJECT: WATTS BAR NUCLEAR PLANT - INSTRUMENTATION FOR DETECTION OF
INADEQUATE CORE COOLING (ICC), NUREG-0737 ITEM II.F.2
(TAC NOS. M77132 and M77133)

By letter dated January 24, 1992, the Tennessee Valley Authority provided a revised response to supersede previous submittals on the subject issue. We have reviewed the revised response and associated schedular commitments, and found them acceptable. We will publish details of our review in Supplement 10 of the Watts Bar Safety Evaluation Report.

Upon completion of implementation, please provide information in accordance with the enclosure to this letter. The enclosure also provides a check list used by the NRC to ensure complete implementation of ICC instrumentation at each plant.

The reviewer was Mr. T. Huang of our Reactor Systems Branch.

This requirement(s) affects 9 or fewer respondents and, therefore, is not subject to Office of Management and Budget review under P.L. 96-511.

Sincerely,

Original signed by

Peter S. Tam, Senior Project Manager
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

cc w/enclosure:
See next page

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| DATE | 7/28/92 | 7/28/92 | 7/28/92 |

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Watts Bar Nuclear Plant

Tennessee Valley Authority
ATTN: Dr. Mark O. Medford

cc:

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The Honorable Robert Aikman
County Judge
Rhea County Courthouse
Dayton, Tennessee 37321

The Honorable Johnny Powell
County Judge
Meigs County Courthouse
Route 2
Decatur, Tennessee 37322

Regional Administrator
U.S.N.R.C. Region II
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Suite 2900
Atlanta, Georgia 30323

Senior Resident Inspector
Watts Bar Nuclear Plant
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Route 2, Box 700
Spring City, Tennessee 37381

ENCLOSURE

MILESTONES FOR IMPLEMENTATION OF ICC INSTRUMENTATION

- (1) Submit final design description (applicant).
- (2) Approval of emergency operating procedure (EOP) technical guidelines (NRC).

Note: This EOP technical guideline which incorporates the selected system must be based on the intended uses of that system as described in approved generic EOP technical guidelines relevant to the selected system.

- (3) Inventory tracking systems (ITS) installation complete (applicant).
- (4) ITS functional testing and calibration complete (applicant).
- (5) Prepare revisions to plant operating procedures and emergency procedures based on approved EOP guidelines (applicant).
- (6) Implementation letter report* to NRC (applicant).
- (7) Perform procedure walk-through to complete task analysis portion of ICC system design (applicant).
- (8) Turn on system for operator training and familiarization (applicant).
- (9) Approval of plant-specific installation (NRC).
- (10) Implement modified operating procedures and emergency procedures (applicant).

* Content:

- o Notification that the system installation, functional testing, and calibration is complete and test results are available for inspection.
- o Summary of applicant's conclusions based on test results, e.g., (a) the system performs in accordance with design expectations and within design error tolerances, or (b) description of deviations from design performance specifications and basis for concluding that the deviations are acceptable.
- o Description of any deviations of the as-built system from previous design descriptions with any appropriate explanation.
- o Develop or modify technical specifications.
- o Confirm that the EOPs used for operator training will conform to the technical content of the NRC-approved guidelines (generic or plant-specific).

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