



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

April 16, 1979

MEMORANDUM FOR: Robert C. Arnold  
GPU Operations Manager

FROM: V. Stello, Director  
Division of Operating Reactors

SUBJECT: ACCEPTABILITY OF THE DESIGN CRITERIA FOR MODI-  
FICATIONS TO THE THREE MILE ISLAND UNIT 2  
ELECTRICAL POWER SYSTEMS

A member of the NRC Technical Review Group met with GPU and Burns and Roe on April 15, 1979 at 13:00 hours for the purpose of discussing the above subject. Two major modifications were planned for the agenda. These were the addition of two new diesel generators and the use of a 13.8 kv construction power line for circulating water pump back-up power. The NRC added a third item concerning the existing diesel generators. The following summarizes the NRC comments at the conclusion of the referenced meeting:


1. We find the design criteria for the incorporation of the two new diesel generators to be acceptable.
2. We find the design criteria for the use of the 13.8 kv construction power source as a back-up for the circulating water pumps to be acceptable.
3. We expressed our concern with the existing onsite diesel generator systems and asked that the following be given high priority consideration:
  - a) defeat of the auto-start feature of the diesels based upon an ESF signal and;
  - b) defeat of the automatic loading of all safety loads such that all loading on the safety busses be done manually.

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Final design and any additional substantive changes to the design criteria should be transmitted to us for comments.



V. Stello, Director  
Division of Operating Reactors  
Office of Nuclear Reactor Regulation

cc: W. Cobean  
R. Wilson  
K. Brockwell  
J. Stair  
R. Mattson  
NRR Review Group (8)