



UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

PDR

TELEPHONE
(312) 858-2660

December 5, 1973

B. H. Grier, Assistant Director for Construction and Operation, Directorate of Regulatory Operations, Headquarters

APRM CALIBRATIONS

Recent inspections^{1/} have determined that APRMs have been found to indicate as much as 8% less than the calculated thermal power. These non-conservative variances affect the trip settings of the rod block monitor and over power protection system settings. Consequently, such conditions do not meet the intent of the limiting safety system setting provided in the Technical Specifications. We consider this matter to be generic and deserving of your review. We feel that some acceptable tolerance for the APRM-calculated power variance should be factored into the Technical Specifications for BWRs. For facilities currently in operation, guidance is requested for the amount of deviation between APRM indicated power and calculated power permissible by Technical Specifications. We request this latter consideration be given priority attention.

Gaston Fiorelli
Gaston Fiorelli, Chief
Reactor Operations Branch

Attachment:
List of References

cc: H. C. Dance, RO:III
J. G. Keppler, RO:III

^{1/} See references 5, 6, and 7.

References:

1. NSP letter to A. Liambusso dated 5/25/72.
2. J. J. Shea Memo to Files (Docket No. 50-263) dated 5/14/72.
3. NSP letter to A. Gumbusson dated 8/4/72.
4. RO Inspection Report No. 050-263/73-01, Paragraph 7.
5. RO Inspection Report No. 050-254/73-04.
6. RO Inspection Report No. 050-254/73-05.
7. RO Inspection Report No. 050-237/73-05.