

*Suppl*

UNITED STATES GOVERNMENT

# Memorandum

TO : R. S. Boyd, Assistant Director  
for Reactor Projects, DRL  
(THRU) R. L. Tedesco, Chief, RPB-2, DRL *R*

FROM : V. Stello *V Stello*  
Reactor Project Branch 2, DRL

SUBJECT: MINUTES OF THE OYSTER CREEK ACRS SUBCOMMITTEE MEETING  
DOCKET NO. 50-219

DATE: December 1, 1967

## Summary

An ACRS Subcommittee meeting was held on November 27, 1967 to discuss Jersey Central's Oyster Creek plant. Drs. Hanauer and McKee represented the Subcommittee. The meeting was devoted to discussions of; quality control programs, cracks on the control rod stub tubes, outstanding instrumentation questions and the proposed high pressure coolant injection system.

## Major Discussion Items:

1. GE presented a status report on the cracks in the control rod stub tubes and the quality of the field welds joining the control rod stub tube and housing. Several copies of the report were made available to members of the Subcommittee and the staff. The status report will not be introduced into the public docket. GE stated that all but 2 of the stub tubes have been ground. (We were informed on November 22, 1967 that 9 tubes remained to be ground and requested that the 9 tubes should be preserved for possible investigative samples. Apparently the word never got back!) Dr. McKee indicated that the Committee was extremely interested in stub tube cracks and field welds and expected to have a thorough understanding with regard to the cause of the problem as well as adequacy of the repair technique before they complete the Oyster Creek review.
2. GE presented its design proposal for a high pressure coolant injection system. It was indicated that a detailed review would be deferred until after a staff analysis was made available. Jersey Central noted that the proposal was GE's and was not necessarily acceptable to them. The cover letter for Amendment 25, containing this proposal, states that the proposal is under consideration by Jersey Central. Should we find the proposal acceptable it would be necessary to clarify this point.



Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

*A/31*

3. Questions on: 120% scram level, power to flow scram, scram discharge volume instrumentation and capacity and basis for IRM scram were asked. No resolution was achieved.
4. Drs. Hanauer and McKee gave us the following comments on the "Proposed Technical Specifications":
  - a. Primary coolant leakage of 50 gpm is too high.
  - b. Seven stuck control rods is not supported in the basis.
  - c. Discharge of radioactive effluents based on 100% of 10 CFR 20 limits should be questioned.
  - d. Acceptability of the magnitude allowed and measurement techniques of primary coolant activity are questionable.
  - e. Meaning of "shutdown as soon as practical" is not clear (Reference P3-1 of Technical Specifications).
  - f. Pump compartment watertight doors should be checked after every entry. Consideration should also be given to adding alarms on the doors.
  - g. A 5%/day primary containment leakage rate is too high.
  - h. Startup without both diesels and batteries operable should not be allowed.
  - i. Justify 0.25% delta K shutdown margin.
  - j. Instrumentation requirements are not clear. (Reference P3-2 of Technical Specifications).

All of these comments, except for 4f, were made at previous meetings with the applicant. Revision of the Technical Specifications in these areas as well as others are under active consideration by the applicant.

5. General comments on the administration and emergency plans and procedures. Dr. McKee indicated that in his opinion an adequate emergency program was proposed by Jersey Central.
6. At the conclusion of the meeting the following statements were made by the Subcommittee:
  - a. recommend that Oyster Creek be placed on the December ACRS agenda.
  - b. presentations on crack problem, quality control, HPCI and unresolved instrumentation questions, as related in item 3 as well as outstanding items from the previous Subcommittee meeting (channel separation, interlocks on the diesels, testing of auto relief system logic, manual scram and contacts on the valve controllers).
  - c. unlikely that the Committee would write a letter in December.

Distribution:   
Suppl.   
DRL Reading  
RPB#2 Reading  
Orig: V. Stello  
Branch Chiefs, DRL