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UNITED STATES GOVERNMENT

# Memorandum

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

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

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

DATE: DEC 13 1967

## Summary

ACRS meetings were held on December 8 and 9, 1967 to discuss Jersey Central's Oyster Creek plant. The meeting on December 8, 1967 was devoted to discussions of the proposed high pressure coolant injection system (Amendment No. 25), emergency plans, administrative organization, outstanding instrumentation questions and those items identified in our letter to Jersey Central dated November 20, 1967. The December 9, 1967 meeting was held to discuss quality control and reactor vessel matters.

## Major Discussion Items

1. Prior to the ACRS meeting on December 8, 1967 the staff met with the applicant to discuss those items identified in our letter of November 20, 1967. The applicant's response to this letter is contained in Amendment No. 28. We did not resolve any additional items but hopefully made it clear to Jersey Central what information was required. A list of attendees is attached.
2. Clemenson and I met with E. van Zylstra of GE to discuss the report on the main steam isolation valves. Results on the one inch valve test program were presented and explained. Analytical methods used for correlating the test results as well as predicting the loads on the main steam isolation valves under accident conditions were discussed. We pointed out several areas that appeared to be weak in both the experimental and analytical approach. It was agreed that an effort would be made to correct the situation.
3. Dr. Levy presented the proposal for the high pressure coolant injection system. L. Roddis indicated that Jersey Central is still evaluating the proposal but indicated that he felt the ECCS as designed (without an HPCI) was adequate. A number of questions on the instrumentation for the synchronization of the diesels were asked.



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4. The Committee questioned the adequacy of the emergency plans and adequacy of the administrative organization. Particular attention was devoted to the independency of personnel on the General Office Review Board with respect to routine operation of the plant.
5. Items contained in our letter of November 20, 1967 were briefly discussed. No conclusions were stated.
6. Questions on: 120% scram level, power to flow, scram and scram discharge volume were asked. GE has changed the arrangement of the sensors on the scram discharge volume to provide independency of channels. No resolution on the first two items were reached.
7. The Committee meeting on December 9, 1967 was limited to discussions of the stub tube cracks and quality of the field welds (joining the stub tube to the housing). Compliance presented the status of their review. S. Bush asked Compliance a number of questions in an effort to understand the cause of the cracks. The Committee indicated that they were very interested in knowing the extent to which the rest of the primary system has been examined for cracks. W. Smith of GE presented the status of the program to date. The cause of the cracks is believed to be due to "stress-assisted corrosion" although the corrosion medium has not been identified.

Results of dye penetrant checks on the field welds indicate that 117 out of the 137 welds show indication of defects. GE is developing automatic equipment for removal of the weld material. It has not been determined how many of the 117 welds will require repair.

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ATTENDEES

JERSEY CENTRAL

D. R. Rees  
L. H. Roddis, Jr.  
G. H. Ritter  
I. R. Finfrock, Jr.  
D. E. Hetrick  
T. J. McCluskey

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