



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

NRC PDR

OCT 05 1978

Docket Nos. STN 50-566  
and STN 50-567

APPLICANT: Tennessee Valley Authority (TVA)  
FACILITY: Yellow Creek Nuclear Plant  
SUBJECT: SUMMARY OF MEETING HELD JANUARY 3, 1978

The subject meeting was held at the U. S. Nuclear Regulatory Commission offices in Bethesda, Maryland. The purpose was to discuss proposed staff responses to questions raised in the ACRS Subcommittee meeting of December 16, 1977. The staff responses were expected to be requested again in the ACRS full committee review of the Yellow Creek project scheduled for January 5, 1978.

The topics discussed in the meeting were as outlined in a memorandum from D. B. Vassallo to R. J. Mattson dated December 21, 1977. Subject: "ACRS Full Committee Meeting - Yellow Creek Nuclear Plant". This memorandum is included in this summary as Enclosure 1. Enclosure 2 is a meeting attendance list.

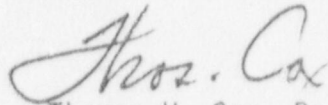
Each of the potential discussion topics was briefly reviewed at this meeting. Staff managers agreed that staff members qualified and prepared to address each of the issues or topics identified in the December 21 memorandum would be present at the ACRS meeting on January 5.

In addition, Structural Engineering Branch representatives brought out that, in accordance with the SEB memorandum of December 23, 1977, from I. Sihweil to D. Vassallo, two new safety issues had been identified and should be described to the ACRS. The new issues

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OCT 05 1978

concern (1) applicant's proposed method of calculating overturning moment on seismic Category 1 structures, and (2) applicant's proposed use of ACI 349 as the governing code for concrete construction. It was agreed that the licensing project manager would cover these new issues in his remarks to the ACRS.



Thomas H. Cox, Project Manager  
Light Water Reactors Branch No. 3  
Division of Project Management

Enclosures:

1. Memorandum from D. Vassallo to R. Mattson dated 12/21/77, "ACRS Full Committee Meeting - Yellow Creek Nuclear Plant"
2. Meeting Attendance List

DEC 21 1977 ENCLOSURE 1

MEMORANDUM FOR: R. Mattson, Director, Division of Systems Safety  
FROM: D. B. Vassallo, Assistant Director for Light  
Water Reactors, Division of Project Management  
SUBJECT: ACRS FULL COMMITTEE MEETING - YELLOW CREEK NUCLEAR  
PLANT  
Reference: ACRS Subcommittee Transcript, Yellow Creek Nuclear  
Power Plant, Friday, December 16, 1977

The subject full committee meeting is currently scheduled to begin at 1 PM on Thursday, January 5, 1978 in our H Street offices. At the Subcommittee meeting on December 16, 1977 in Corinth, Mississippi, a number of questions were raised which we believe will be raised again at the full committee meeting. I am requesting that appropriate members of your staff be present at the 01/05/78 meeting to discuss the issues identified in this memo.

The issues identified below were (1) the subject of a direct request for information from an ACRS member, (2) were indicated to be of special importance to one or more ACRS members, or (3) were topics (usually outstanding issues) which an ACRS member indicated the need for more information in order to better understand the bases behind the staff's position.

1. Mr. Carbon's concern for the possible explosion of a barge at the shoreline by the plant, possibly due to sabotage (Transcript p. 39)
2. ACRS interest in current interpretation of SSE acceleration versus intensity relationship for near and far-field situations (Transcript p. 105, ff.)
3. Dr. Kerr's interest in staff's basis for requiring rebound and settlement records, particularly, where is an applicant to see this requirement in writing (Transcript p. 119, ff.)
4. Design basis concrete strength for walls and roofs to withstand tornado missiles. (Transcript p. 125, 126, 142, 143)
5. Main steam line break analysis (Transcript p. 131, ff.)
6. Minimum containment pressure analysis (Transcript p. 130, ff.)

DEC 21 1977

7. Plant monitoring system (Transcript p. 138, 144 ff.)
8. Fire protection (Transcript p. 168, 173 ff.)
9. Mr. Carbon's concern for effects of very large fire external to plant (Transcript p. 177, 178)
10. Containment leakage testing - Mr. Carbon asks what is current experience in actual testing (Transcript p. 187, 188)

In addition to the specific areas identified above, representatives from technical review areas which have outstanding issues listed in Section 1.9 of the staff's SER on Yellow Creek should be present.

This would include, in addition to the technical review areas associated with the items 1 to 10 above, the following branches:

	<u>Outstanding Issue No.</u>
Hydrology - Meteorology	-
Reactor Systems	-
Accident Analysis	-
Materials Engineering	-
Mechanical Engineering	-

Original Signed by

D. B. Vassallo

D. B. Vassallo, Assistant Director  
for Light Water Reactors  
Division of Project Management

cc: R. Boyd            D. Ross  
 R. DeYoung        T. Novak  
 D. Vassallo        P. Check  
 T. Cox             Z. Rosztoczy  
 H. Denton         R. Tedesco  
 W. Garnill        V. Beneroya  
 L. Hulman         G. Lainas  
 C. Stepp          T. Ippolito  
 D. Bunch          F. Rosa  
 J. Knight  
 R. Bosnak  
 S. Pawlicki  
 I. Sihweil

ENCLOSURE 2

ATTENDANCE LIST

MEETING OF 01/03/78

YELLOW CREEK

NRC

T. Bennett  
S. Bhatt  
J. Burns  
C. Hofmayer  
H. Polk  
C. Moon  
M. Rubin  
T. Novak  
C. Tinkler  
T. Cox  
D. Vassallo  
R. Mattson  
F. Schroeder  
O. Parr  
W. Bivins  
M. Fliegel  
G. Lainas  
C. Ferrell  
L. Soffer