

DOCKETS NOS.: 50-269/270/287

DATE: OCT 15 1976

LICENSEE: Duke Power Company (DPC)

FACILITY: Oconee Station, Units 1, 2 & 3

SUMMARY OF MEETING HELD ON OCTOBER 8, 1976, TO DISCUSS THE PRELIMINARY RESULTS OF THE LICENSEE'S STUDY OF POTENTIAL FAILURE MODES OF THE JOCASSEE DAM AND RESULTANT IMPACT ON THE OCOONEE NUCLEAR STATION

On October 8, 1976, representatives of Duke Power Company met with NRC staff to discuss the subject study.

A list of attendees is enclosed.

The licensee made his presentation of the study which assumed a partial failure of the Jocassee Dam. The licensee assumed a sliding failure although he stated that he could find no history on failure of rock-filled dams. The failure assumed was a 500 ft. section of the dam. The effect of erosion was considered to be negligible. Under this failure, five feet of water would spill over the dam. The elevations involved are such that the Oconee Nuclear Station would not be flooded, but the Keowee Dam would be overtopped. The Keowee Dam provides the emergency power for the station.

It was stated by the NRC staff that the erosion effect is questionable; that the erosion could be significant. Duke Power Company agreed to do a reanalysis with the following assumptions:

1. 500 ft. length of dam fails.
2. a sliding failure.
3. The 25 year flood occurs prior to dam failure.
4. Safe Shutdown Earthquake occurs.
5. An acceptable starting width of failure will be suggested by NRC.

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- 6. An acceptable erosion rate or method of computing erosion rate will be suggested by NRC.
- 7. Credit may be taken for overbank storage and unsteady flow methods may be used in addition to any other computational assumptions which can be technically justified.

The reanalysis will take about two weeks and preliminary results will be made available shortly thereafter.

Don Neighbors, Project Manager  
Operating Reactors Branch #1  
Division of Operating Reactors

Enclosure:  
List of Attendees

DISTRIBUTION

Docket Files  
 NRC PDRs  
 LOCAL PDR  
 ORB#1 Reading  
 BCRusche  
 EGCase  
 VStello  
 KRGoiler  
 DEisenhut  
 TJCarter  
 OR Branch Chiefs  
 OT Branch Chiefs  
 DNeighbors  
 Attorney, OELD  
 OI&E (3)  
 SMSheppard  
 NRC Participants  
 RFraley, ACRS (16)  
 TBAbernathy  
 JRBuchanan

OFFICE	DOR:ORB#1				
SURNAME	DNeighbors:lb				
DATE	10/14/76				

Meeting Summary for  
Duke Power Company

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Docket File

NRC PDR

LOCAL PDR

ORB#1 Reading

NRR Reading

B. C. Rusche

E. G. Case

V. Stello

K. R. Goller

D. Eisenhut

T. J. Carter

A. Schwencer

D. Ziemann

G. Lear

R. Reid

R. Clark

L. Shao

R. Baer

W. Butler

B. Grimes

Project Manager

Attorney, OELD

OI&E (3)

S. M. Sheppard

Participants (NRC)

R. Fraley, ACRS (16)

T. B. Abernathy

J. R. Buchanan

NRC MEETING WITH  
DUKE POWER COMPANY  
OCTOBER 8, 1976

NRC

D. Neighbors  
G. Zech  
T. Johnson

Nunn, Snyder & Associates (NRC consultant)

D. E. Nunn

DPC

M. S. Tuckman  
K. S. Canady  
R. S. Bhatnagar  
S. B. Blackman  
R. J. Reese