

MAY 28 1973

Docket No. 50-313

R. C. DeYoung, Assistant Director for Pressurized Water Reactors, Licensing  
THRU: A. Schwencer, Chief, Pressurized Water Reactors Branch No. 4, Licensing  
Original Signed By  
A. Schwencer

TRIP REPORT: SITE VISIT TO ARKANSAS NUCLEAR ONE  
MAY 3-4, 1973

Enclosed is a summary of the site visit made to Arkansas Nuclear  
One on May 3-4, 1973. An attendance list is also enclosed.

Original Signed by  
Robert M. Bernero

R. M. Bernero, Project Manager  
Pressurized Water Reactors Branch No. 4  
Directorate of Licensing

Enclosures:

1. Trip Report
2. Attendance List

cc: J. Hendrie  
 R. S. Boyd  
 D. Skovholt  
 AEC PDR  
 Local PDR  
 TR Assistant Directors  
 TR Branch Chiefs  
 PWR Branch Chiefs  
 R. W. Klecker  
 M. Rosen  
 RO (3)  
 EGoulbourne  
 Participants from AEC  
 F. J. Miraglia  
 C. Moon

THIS DOCUMENT CONTAINS  
POOR QUALITY PAGES

DISTRIBUTION

Docket  
 RP Reading  
 PWR-4 Reading  
 RMBernero

OFFICE ▶	L:PWR-4	L:PWR-4							
SURNAME ▶	RMBernero:emp	ASchwencer							
DATE ▶	5/29/73	5/29/73							

8004280 725  
 P

ENCLOSURE 1

REPORT OF SITE VISIT TO ARKANSAS NUCLEAR ONE

May 3-4, 1973

May 3, 1973

Unit 1 was toured to review construction status and especially to review areas affected by high energy line ruptures outside containment. The arrangement of the reactor coolant letdown line was particularly noted. The letdown line is located in the north penetration room and traverses that entire room before reaching the components which produce the principal pressure drop in the line. The applicant agreed to evaluate the effects of a break in the high pressure portion of the letdown line inside the penetration room.

The emergency feedwater system was reviewed especially with regard to the suction connections with the service water system where two redundant supply lines come through normally open manual valves and then tee together to pass through a single normally closed motor-operated valve. Thus failure of this single valve could frustrate service water supply to the emergency feedwater pumps. The applicant is considering converting the two service water valves to normally closed motor-operated valves so that the single valve may be locked open.

The performance of the emergency cooling pond was discussed with the applicant. The applicant was informed that the AEC model showed that the pond temperature could exceed 120°F by a few degrees about 20 days after a D.A in Unit 1 (with shutdown of Unit 2) if the worst meteorological conditions prevailed. Resolution of this concern is left for licensing action on Unit 2. The applicant was told he has two choices:

1. Demonstrate that the AEC model is too conservative, or
2. Show that exceeding the 120°F return temperature limit is acceptable.

The applicant was also informed that we consider their proposed Technical Specification of 344 feet (half of the pond depth) as inadequate for operation of Unit 1 alone.

May 4, 1973

A site tour was conducted for the subcommittee of the Advisory Committee on Reactor Safeguards (ACRS) which is responsible for review of Unit 1.

ATTENDANCE

ACRS SITE TOUR OF ARKANSAS NUCLEAR ONE

MAY 4, 1973

AEC

Dr. Isbin - ACRS  
Dr. Moeller - ACRS  
Mr. Gaske - ACRS Staff  
A. Schwencer - DL  
R. Bernero - DL  
C. Moon - DL

AP&L

H. T. Holmes - Mgr. of Production, Design & Construction  
W. Cavanaugh - Project Mgr.  
W. H. Jewell - Attorney  
P. Lyon - Attorney  
S. Grimmett - Mgr. of Substation Design  
J. Anderson - ANO Superintendent  
D. Rueter - Nuclear Engr.  
N. Moore - Chief QA Coordinator  
R. Carroll - Chem. & Radiation Protection Engr. (Health Physics)  
T. Baker - Chem. & Radiation Protection Engr. (Chemistry)

BECHTEL

G. Katanics - Project Engr.  
J. Haidinger - Elect. Engr. Supv.  
J. Oszewski - Licensing Engr.  
K. Mathe - Plant Design Engr. Supv.

B&W

H. Baker - Assoc. Proj. Mgr.  
G. Gleis - Licensing Supv.  
G. M. Olds - Senior Project Mgr.  
C. Thomas - Mgr. of Reactor Contracts