

APR 18 1974

DOCKET NOS.: 50-329 AND 50-330

APPLICANT : CONSUMERS POWER COMPANY

FACILITY : MIDLAND UNITS 1 AND 2

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

SUMMARY OF MEETING REGARDING POST LOSS-OF-COOLANT ACCIDENT PROTECTION
(PLOCAP) AND CONTAINMENT LEAKAGE TESTING

On Wednesday, April 3, 1974, members of the Regulatory staff met in Bethesda, Maryland with representatives of Consumers Power Company (CPC), Babcock and Wilcox (B&W), and Bechtel Associates Professional Corporation (BAPC). CPC had requested this meeting to obtain guidance from the Regulatory staff regarding contemplated changes to provisions for PLOCAP and plans for the use of the weld channel system during normal operation and for containment leakage testing. The results of discussions are summarized below.

1. PLOCAP

CPC has been considering amending its construction permit application to eliminate provisions for PLOCAP in order to use the reserved space for other purposes. The basis for this consideration includes (1) continued confidence in reactor vessel integrity as reflected in the ACRS report on the integrity of reactor vessels, (2) improvements in the capability of monitoring reactor vessel integrity including: increased accessibility to the inside and outside surfaces; automatic UT inspection capability; promising developments in acoustic signature monitoring (requiring no disturbance of the operating loop, other than changes in reactor coolant system pressure within the normal operating range); and (3) the elimination of the undesirable consequences of inadvertent operation of a PLOCAP system.

The staff pointed out, that because of nature of this site, elimination of the PLOCAP commitment would represent a significant change and might require a supplement to our CP evaluation. CPC was advised to retain provisions for PLOCAP.

The applicant then discussed the conceptual design of PLOCAP and some desirable changes such as location of water storage tanks outside of the containment building rather than inside. The staff's comments were not counteractive.

MEMO
LD

8006190 835

A

It is expected that the applicant will formally submit proposed changes to the arrangement of equipment for PLOCAP and define the actual construction that will be undertaken to provide for a PLOCAP system.

2. Containment System

The Midland containment building will have leak-tite channels covering all containment liner plate welds. CPC proposed alternate methods of utilizing this channel system: (1) pressurizing the channels above the postulated accident pressure at all times with clean air and taking credit for the fact that contaminants in the containment building atmosphere could not leak out through imperfections in the liner plate weld or (2) keeping the unpressurized channels closed so that the channels would present an additional barrier to leakage through imperfections in the liner plate welds. Both systems have merit and the best choice was not apparent. CPC will formally propose one of the systems for use at Midland.

An attendance list is enclosed.

Original Signed by

S. D. MacKay, Project Manager
Light Water Reactors Branch 2-3
Directorate of Licensing

Enclosure:
List of Attendees

DISTRIBUTION:

AEC PDR	DKartalia
LPDR	RO (3)
Dockets (2)	EGoulbourne
LWR 2-3 Reading	GECummings
L Reading	GLainas
RP ADs	EHBrook
RP BCs	EGCase
SVarga	ACRS (16)
DEisenhut	
JHendrie	
TR ADs	
TR BCs	
SMacKay	
FMiraglia	

OFFICE ▶	x7886/LWR 2-3				
SURNAME ▶	<i>SDM</i> SDMacKay:cjb				
DATE ▶	4/17/74				

MEETING HELD APRIL 3, 1974
WITH CONSUMERS POWER COMPANY
MIDLAND UNITS 1 AND 2

LIST OF ATTENDEES

Atomic Energy Commission

S. D. MacKay
G. E. Cummings
G. C. Lainas
V. Stello
E. H. Brook
A. Schwencer
E. G. Case
R. Maccary

Consumers Power Company

D. J. Birkle
W. E. Kessler
M. P. Hanson

Bechtel

P. Thompson
T. W. Vanvick
J. L. Hurley

Babcock & Wilcox

G. W. Delaney
A. L. Lowe, Jr.
A. H. Lazar