



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

PDR

MAY 10 1984

AEOD/T409

MEMORANDUM FOR: Karl V. Seyfrit, Chief
Reactor Operations Analysis Branch
Office for Analysis and Evaluation
of Operational Data

THRU: Matthew Chiramal, Lead Engineer
Plant Systems Unit
Reactor Operations Analysis Branch

FROM: Frank Ashe, Plant Systems Engineer
Plant Systems Unit
Reactor Operations Analysis Branch

SUBJECT: MULTIPLE FAILURES OF BELL AND HOWELL DUAL POTENTIOMETER
MODULES WHICH OCCURRED AT THE FORT CALHOUN NUCLEAR
STATION

The enclosed Technical Review Report is forwarded for your review and consideration. The report provides information concerning three events which occurred at the Fort Calhoun Nuclear Station involving failures of Bell and Howell dual potentiometer modules. A description of these three events are provided in References 1, 2 and 3. Reference 4 identifies a potential common cause type of failure mechanism for these modules.

Although the identified common cause type of failure mechanism is typical for potentiometers used in the identified application, we believe that further actions for these devices are not warranted at this time. However, on the basis of the identified failure mechanism it is suggested that AEOD monitor such potentiometer modules for future failures.

Frank Ashe

Frank Ashe, Plant Systems Engineer
Plant Systems Unit
Reactor Operations Analysis Branch

Enclosure: As stated

cc w/enclosure: W. Laudan, IE

8406210283 840510
PDR ADOCK 05000285
S PDR

MAY 10 1984

Distribution:

ROAB CF
ROAB SF
FAshe
MChiramal
DCS ✓
AEOD R/F
AEOD S/F
PDR

MEMORANDUM FOR: Karl V. Seyfrit, Chief
Reactor Operations Analysis Branch
Office for Analysis and Evaluation
of Operational Data

AEOD/T409

THRU: Matthew Chiramal, Lead Engineer
Plant Systems Unit
Reactor Operations Analysis Branch

FROM: Frank Ashe, Plant Systems Engineer
Plant Systems Unit
Reactor Operations Analysis Branch

SUBJECT: MULTIPLE FAILURES OF BELL AND HOWELL DUAL POTENTIOMETER
MODULES WHICH OCCURRED AT THE FORT CALHOUN NUCLEAR
STATION

The enclosed Technical Review Report is forwarded for your review and consideration. The report provides information concerning three events which occurred at the Fort Calhoun Nuclear Station involving failures of Bell and Howell dual potentiometer modules. A description of these three events are provided in References 1, 2 and 3. Reference 4 identifies a potential common cause type of failure mechanism for these modules.

Although the identified common cause type of failure mechanism is typical for potentiometers used in the identified application, we believe that further actions for these devices are not warranted at this time. However, on the basis of the identified failure mechanism it is suggested that AEOD monitor such potentiometer modules for future failures.

151

Frank Ashe, Plant Systems Engineer
Plant Systems Unit
Reactor Operations Analysis Branch

Enclosure: As stated

cc w/enclosure: W. Laudan, IE

50-285

OFFICE	ROAB.FA.	ROAB Mc	ROAB A				
SURNAME	FAshe	MChiramal	KV.Seyfrit				
DATE	5/9 /84	5/9 /84	5/10 /84				