

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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LER No. 83-006
Omaha Public Power District
Fort Calhoun Station Unit No. 1
Docket No. 05000285

ATTACHMENT NO. 1

Safety Analysis

The Reactor Protective System (RPS) is so designed that no single failure can prevent the safe and systematic shutdown of the unit if required.

During the time the "D" RPS channel for Axial Power Distribution (APD) was inoperable, the three (3) remaining RPS redundant channels (A/B/C-APD) were operable, available and fully capable of performing their designed functions of providing reactor protection.

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Corrective Action

Upon discovery of the "D" channel Axial Shape Index Internal tilt pretrip setpoint drift problem, the "D" Axial Power Distribution channel was immediately bypassed and Maintenance Order No. 21044 was written to investigate and correct the problem. Subsequently, a Bell and Howell dual potentiometer module (module A1) in the ASI setpoint calculator module was found to have failed. The module was replaced with a spare and the "D" Axial Power Distribution Channel was calibrated per CP-D/APD. The channel was satisfactorily tested per applicable portions of Surveillance Test ST-RPS-12, F.2 and restored to operable status.

Engineering Evaluation and Assistance Request (EEAR) No. FC-83-93 was also initiated to investigate a possible generic failure of the dual potentiometer modules (model 384612-01).

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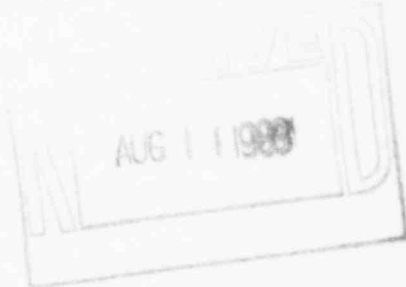
Failure Data

This is the third failure of a dual potentiometer module in the Reactor Protective System. The first two failures being previously reported per LER's 79-002 and 83-005.

Omaha Public Power District
1623 Harney Omaha, Nebraska 68102
402/536-4000

August 8, 1983
FC-569-83

Mr. W. C. Seidle, Chief
Reactor Project Branch 2
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, TX 76011



Subject: Fort Calhoun Station Unit No. 1
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Dear Mr. Seidle:

In accordance with the Fort Calhoun Station's Technical Specifications, the Omaha Public Power District, as holder of facility operating license DPR-40, submits three copies of licensee event report 83-006, (regarding Technical Specification 5.9.2.b.1) to satisfy requirements of Regulatory Guide 1.16.

Sincerely,

W. C. Jones
Division Manager
Production Operations

WCJ/GRP:jbk
Enclosures

cc: Director, Office of Management
Information and Program Control (3)
Director, Office of Inspection and
Enforcement (30)
Institute of Nuclear Power Operations

SARC Chairman
PRC Chairman
Fort Calhoun File (2)
Mr. Lawrence A. Yandell
NRC Senior Resident Inspector