

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: **3915**  
FILE: INCIDENT REPORT FILE

<b>FROM:</b> Duke Power Co. Charlotte, N.C. A.C. Thies			<b>DATE OF DOC</b> 4-2-75	<b>DATE REC'D</b> 4-10-75	<b>LTR</b> XX	<b>TWX</b>	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b> Norman C. Moseley			<b>ORIG</b> 1 Signed	<b>CC</b>	<b>OTHER</b>	<b>SENT AEC PDR</b> _____ <b>SENT LOCAL PDR</b> _____		
<b>CLASS</b>	<b>UNCLASS</b> XXX	<b>PROP INFO</b>	<b>INPUT</b>	<b>NO CYS REC'D</b> 1		<b>DOCKET NO:</b> 50-269		

**DESCRIPTION:**  
  
Ltr. trans the following...

**DO NOT REMOVE**

**PLANT NAME:** Oconee #1

**ENCLOSURES:**  
  
Abnormal Occurr. # 75-2 on 3-20-75, concerning Reactor coolant pressure transmitter out of calibration....

( 1 cy. encl. rec'd )

**ACKNOWLEDGED**

**FOR ACTION/INFORMATION** VCR 4-10-75

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KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	W/ Copies

**INTERNAL DISTRIBUTION**

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) T.R. WILSON (3) STEELE	<u>TECH REVIEW</u> SCHROEDER MACCARY KNIGHT PAWLICKI SHAO **STELLO **HOUSTON **NOVAK ROSS IPPOLITO TEDESCO LONG LAINAS BENAROYA VOLLMER	DENTON *GRIMES GAMMILL KASTNER BALLARD SPANGLER  ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	<u>LIC ASST</u> R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. MAIGRET (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L)	<u>A/T IND.</u> BRAITMAN SALTZMAN MELTZ  PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON F. WILLIAMS HANAUER
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**EXTERNAL DISTRIBUTION**

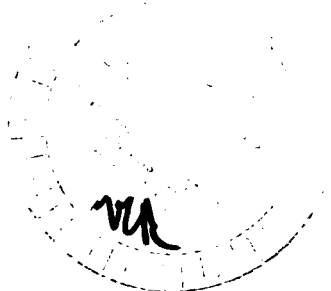
- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>- 1 - LOCAL PDR <i>Thalhalla, S.C.</i></li> <li>- 1 - TIC (ABERNATHY) (1)(2)(10)</li> <li>- 1 - NSIC (BUCHANAN)</li> <li>- 1 - ASLB</li> <li>- 1 - Newton Anderson</li> <li>- 5 - ACRS SENT TO LIC ASST</li> <li>** SEND ONLY TEN DAY REPORTS</li> </ul> <p><i>Sheppard</i></p> | <ul style="list-style-type: none"> <li>- NATIONAL LABS _____</li> <li>- W. PENNINGTON, Rm E-201 GT</li> <li>- CONSULTANTS<br/>NEWMARK/BLUME/AGBABIAN</li> </ul> | <ul style="list-style-type: none"> <li>- 1 - PDR-SAN/LA/NY</li> <li>- 1 - BROOKHAVEN NAT LAB</li> <li>- 1 - G. ULRIKSON, ORNL</li> <li>- 1 - AGMED (RUTH GUSSMAN)<br/>Rm B-127 GT</li> <li>- 1 - J. D. RUNKLES, Rm E-201<br/>GT</li> </ul> |
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DUKE POWER COMPANY  
POWER BUILDING  
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

P. O. Box 2178

April 2, 1975



Mr. Norman C. Moseley, Director  
U. S. Nuclear Regulatory Commission  
Suite 818  
230 Peachtree Street, Northwest  
Atlanta, Georgia 30303

Re: Oconee Unit 1  
Docket No. 50-269

Dear Mr. Moseley:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station  
Technical Specifications, please find attached Abnormal Occurrence  
Report AO-269/75-2.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'A. C. Thies'.

A. C. Thies

ACT:vr  
Attachment

cc: Mr. Angelo Giambusso

DUKE POWER COMPANY  
OCONEE UNIT 2

Report No.: AO-269/75-2

Report Date: April 2, 1975

Occurrence Date: March 20, 1975

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Reactor coolant pressure transmitter out of calibration

Conditions Prior to Occurrence: Unit at 75 percent full power

Description of Occurrence:

On March 20, 1975, the calibration of the Oconee Unit 1 reactor coolant pressure transmitters was checked. The Channel "D" pressure transmitter was found to be out of calibration by -2.7 percent. The full scale error measured as a result of transmitter drift was -21.6 psi. The pressure transmitters for Channels A, B and C were within the required 2 percent limit. These transmitters provide reactor coolant pressure information to the Reactor Protective System (RPS).

Designation of Apparent Cause of Occurrence:

The apparent cause of this occurrence is the excessive drift associated with changing ambient temperature for this pressure transmitter. This transmitter was calibrated on February 19, 1975 when the unit was in a cold shutdown condition. After heating up, the instrument drifted in the negative direction by -2.7 percent.

Analysis of Occurrence:

The Reactor Protective System (RPS) high and low pressure trips are actuated by signals from these pressure transmitters. The RPS logic produces a trip when two out of four channels trip. Due to the redundancy present in the RPS, the calibration of one pressure transmitter did not affect the safe operation of the unit.

For the affected transmitter, the low pressure trip setpoint drifted in a conservative direction, and the high pressure trip setpoint exceeded the maximum RPS trip setting (2355) by 15.6 psi. However, the high pressure trip setpoint had been set at 2349 psig to allow for instrument drift and a total reactor coolant pressure measurement error of -30 psi had been assumed in the safety analysis. Therefore, the pressure transmitter drift would not have resulted in a high pressure trip at a pressure higher than that assumed in the safety analysis. Furthermore, the safety limit of 2790 psig was not approached. It is concluded that the health and safety of the public was not affected.

Corrective Action:

The pressure transmitter was recalibrated to the required specifications. A test of this and several possible replacement transmitters, calibrated to the same specifications, has been completed with the recommendation that the narrow range pressure transmitters be replaced. Procurement of new transmitters is in progress, and it is estimated that they will be available for installation in early 1976. In the interim, the transmitters are being calibrated monthly and only at the elevated operating temperatures so as to minimize transmitter drift.

Failure Data:

The pressure transmitter is a Motorola Type 56 PH, ID #1224-0301.

APR 4 10 09 AM '75

REGULATORY AFFAIRS  
U.S. E.C.  
ATTN: M. O. A.