

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 13151

FILE: INCIDENT REPORT

FROM: Duke Power Company Charlotte, NC 28201 A C Thies		DATE OF DOC 1-3-75	DATE REC'D 1-6-75	LTR XX	TWX	RPT	OTHER
TO: Mr Moseley		ORIG none signed	CC	OTHER	SENT AEC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XXXXXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-270		

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Abnormal Occurrence #74-20 on 12-15-74.....
concerning reactor coolant pressure transmitter
which was out of calibration.....

PLANT NAME: Oconee #2

FOR ACTION/INFORMATION 1-7-75 ehf

BUTLER (S)	SCHWENCER (S)	ZIEMANN (S)	REGAN (E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
CLARK (S)	STOLZ (S)	DICKER (E)	LEAR (S)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
PARR (S)	VASSALLO (S)	KNIGHTON (E)	SPEIS (S)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL (S)	PURPLE (S)	YOUNGBLOOD (E)	
W/ Copies	W/4 Copies	W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

<u>REG FILE</u>	<u>TECH REVIEW</u>	<u>DENTON</u>	<u>LIC. ASST.</u>	<u>A/T IND</u>
W/ AEC PDR	W/ SCHROEDER	GRIMES	DIGGS (S)	BRAITMAN
W/ OGC, ROOM P-506-A	W/ MACCARRY	GAMMILL	GEARIN (S)	SALTZMAN
W/ MUNTZING/STAFF	W/ KNIGHT	KASTNER	GOULBOURNE (S)	B. HURT
W/ CASE	W/ PAWLICKI	BALLARD	KREUTZER (E)	
GIAMBUSSO	W/ SHAO	SPANGLER	LEE (S)	<u>PLANS</u>
BOYD	W/ STELLO		MAIGRET (S)	MCDONALD
MOORE (S) (BWR)	W/ HOUSTON	<u>ENVIRO</u>	REED (E)	CHAPMAN
DEYOUNG (S) (PWR)	W/ NOVAK	MULLER	SERVICE (S)	DUBE w/input
SKOVHOLT (S)	W/ ROSS	DICKER	SHEPPARD (S)	E. COUPE
GOLLER (S)	W/ PIPPOLITO	KNIGHTON	SLATER (E)	W/ D. THOMPSON (2)
P. COLLINS	W/ TEDESCO	YOUNGBLOOD	SMITH (S)	W/ KLEGGER
DENISE	W/ LONG	REGAN	TEETS (S)	W/ F. WILLIAMS
REG OPR	W/ LAINAS	PROJECT LDR	WILLIAMS (E)	
W/ FILE & REGION	W/ BENAROYA		WILSON (S)	
W/ T.R. WILSON	W/ STEELE	HARLESS	INGRAM (S)	
	W/ VOLIMER			

EXTERNAL DISTRIBUTION

W/ 1-LOCAL PDR <u>Walhalla, S.C.</u>	(1) (2) (10) -NATIONAL LABS	1-PDR SAN/LA/NY
W/ 1-TIC (ABERNATHY)	1-W. PENNINGTON, RM E-201 G.T.	1-BROOKHAVEN NAT LAB
W/ 1-NSIC (BUCHANAN)	1-CONSULTANTS	1-G. ULRIKSON, ORNL
1-ASLB	NEWMARK/BLUME/ACBABIAN	1-AGMED (RUTH GUSSMAN)
1-NEWTON ANDERSON		RM B-127 G.T.
W/ 1-ACRS SENT TO LIC. ASST. <u>SHEPPARD</u>		1-J. RUNKLES, RM E-201
		G.T.

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

January 3, 1975

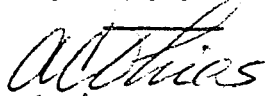
Mr. Norman C. Moseley, Director
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Region II - Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303

Re: Oconee Unit 2
Docket No. 50-270

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-270/74-20.

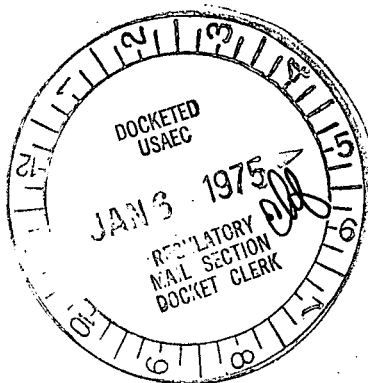
Very truly yours,



A. C. Thies

ACT:vr
Attachment

cc: Mr. Angelo Giambusso



13151

DUKE POWER COMPANY
OCONEE UNIT 2

Report No.: AO-270/74-20

Report Date: January 3, 1975

Occurrence Date: December 15, 1974

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Occurrence: Reactor coolant pressure transmitter out of calibration

Conditions Prior to Occurrence: Unit at cold shutdown

Description of Occurrence:

On December 15, 1974, the calibration check of Oconee Unit 2 reactor coolant pressure transmitters was performed. The Channel A transmitter (RC3A-PT1) was found to be out of calibration by +2.85 percent. The full scale error measured as a result of this transmitter drift was +22.8 psi. This is one of four pressure transmitters which provides reactor coolant pressure information to the Reactor Protective System. The three other transmitters were within the required 2 percent accuracy. These transmitters were last checked on November 2, 1974.

Analysis of Occurrence:

The Reactor Protective System high and low pressure trips are actuated by signals from the pressure transmitters. Two of the four channels are required to trip the reactor. For the affected transmitter, the high pressure trip setpoint drifted in a conservative direction and would have produced a trip at an actual pressure of 2326.2 psi rather than 2349 psi, the high pressure trip setpoint. The low pressure trip setpoint would have occurred at an actual pressure of 1783.2 psi based upon the setting of 1806 which had been set to allow instrument drift.

The protective system maximum allowable setpoints, shown in Figure 2.3-1B in the Technical Specifications, would have the lower limit lowered to 1783.2 psi.

The variable low pressure trip setpoints are based upon core outlet temperature, not pressure, and therefore can be extrapolated to intersect the low pressure trip setpoint resulting from transmitter drift at 1783.2 psi and 585°F. In relation to the core protection safety limits, Figure 2.1-1B, this point is to the left and above the safety limit, as required to maintain a conservative margin to departure from nucleate boiling (DNB). It is concluded that the health and safety of the public was not affected.

Corrective Action:

The pressure transmitters were recalibrated to the required specifications. To prevent similar occurrences, a check of these transmitters will be performed on a monthly basis until a sequence of tests can be performed to determine the cause of the instrument drift. Identical transmitters, and several possible replacement transmitters calibrated to the same specifications, will be subjected to a similar temperature environment over a period of time to determine resulting instrument drift.

Failure Data:

The RPS pressure transmitters are Motorola Type 56PH, ID No. 1224-0301.