

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 4542

FILE: 9/10

FROM: Duke Power Company Charlotte, N. C. 28201 A. C. Thies		DATE OF DOC 5-17-74	DATE REC'D 5-20-74	LTR X	MEMO	RPT	OTHER
TO: Mr. Giambusso		ORIG 1 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XXXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269		
DESCRIPTION: Ltr trans the following:				ENCLOSURES: Abnormal Occurrence Report No. AO-269/74-8, on 5-7-74, regarding reactor coolant pressure transmitters out of calibration.			
PLANT NAME: Oconee Unit # 1				<p>Do Not Remove ACKNOWLEDGED</p> <p>(1 cy rec'd)</p>			

FOR ACTION/INFORMATION 5-22-74 AB

BUTLER(L) W/ Copies	SCHWENCER(L) W/ Copies	ZIEMANN(L) W/ Copies	REGAN(E) W/ Copies
CLARK(L) W/ Copies	STOLZ(L) W/ Copies	DICKER(E) W/ Copies	W/ Copies
PARR(L) W/ Copies	VASSALLO(L) W/ Copies	KNIGHTON(E) W/ Copies	w/ Copies
KNIEL(L) W/ Copies	PURPLE (L) W/ 7 Copies	YOUNGBLOOD(E) W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

<u>REG FILE</u>	<u>TECH REVIEW</u>	DENTON	<u>LIC ASST</u>	<u>A/T IND</u>
✓ AEC PDR	✓ HENDRIE	GRIMES	DIGGS (L)	BRAITMAN
✓ OGC, ROOM P-506A	✓ SCHROEDER	GAMMILL	GEARIN (L)	SALTZMAN
✓ MUNIZING/STAFF	✓ MACCARY	KASTNER	GOULBOURNE (L)	B. HURT
✓ CASE	✓ KNIGHT	BALLARD	LEE (L)	<u>PLANS</u>
GIAMBUSO	✓ PAWLICKI	SPANGLER	MAIGRET (L)	MCDONALD
BOYD	✓ SHAO	<u>ENVIRO</u>	REED (E)	DUBE w/Input
MOORE (L)(BWR)	✓ STELLO	MULLER	✓ SERVICE (L)	<u>INFO</u>
DEYOUNG(L)(PWR)	✓ HOUSTON	DICKER	SHEPPARD (L)	C. MILES
SKOVHOLT (L)	✓ NOVAK	KNIGHTON	SLATER (E)	B. KING (E/W-358)
✓ GOLLER(L)	✓ ROSS	YOUNGBLOOD	SMITH (L)	KLECKER
P. COLLINS	✓ IPPOLITO	REGAN	TEETS (L)	EISENHUT
DENISE	✓ TEDESCO	PROJECT LDR	WADE (E)	✓ <u>AOR FILE</u>
REG OPR	✓ LONG	<u>HARLESS</u>	WILLIAMS (E)	D. THOMPSON(2)
✓ FILE & REGION(3)	✓ LAINAS		WILSON (L)	
✓ MORRIS	✓ BENAROYA			
STEELE	✓ VOLLMER			

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR Walhalla, S. C.	(1) (2X10) NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓ 1 - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-GERALD LELLOUCHE
✓ 1 - NSIC(BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
1 - P. R. DAVIS (AEROJET NUCLEAR)	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
✓ 16 - CYS ACRS HOLDING SENT TO LIC ASST.	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT
S. SHEPPARD ON 5-22-74	1-B & M SWINEBROAD, Rm E-201 GT	

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

May 17, 1974

Mr. Angelo Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Re: Oconee Unit 1
Docket No. 50-269

Dear Mr. Giambusso:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station
Technical Specifications, please find attached Abnormal Occurrence
Report AO-269/74-8.

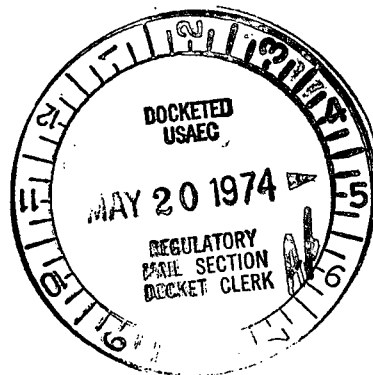
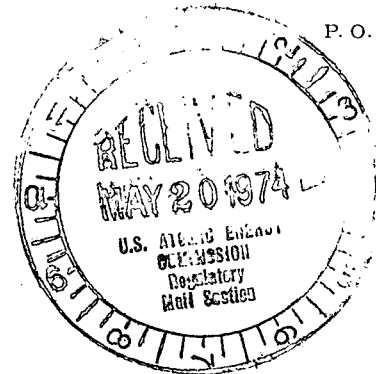
Very truly yours,



A. C. Thies

ACT:gje
Attachment

cc Mr. Norman C. Moseley



DUKE POWER COMPANY
OCONEE UNIT 1

Report No.: AO-269/74-8

Report Date: May 17, 1974

Occurrence Date: May 7, 1974

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Reactor coolant pressure transmitters out of calibration

Conditions Prior to Occurrence: Cold shutdown

Description of Occurrence:

On May 7, 1974, pressure transmitters RC3A-PT1, RC3A-PT2, RC3B-PT1, and RC3B-PT2 were found to be out of calibration by -1.9 percent, -2.1 percent, -3.8 percent, and -3.2 percent respectively. These pressure transmitters provide reactor coolant pressure information to the Reactor Protective System.

The full-scale error measured as a result of transmitter drift was:

Channel A RC3A-PT1 - 15.2 psi
Channel B RC3A-PT2 - 16.8 psi
Channel C RC3B-PT1 - 25.6 psi
Channel D RC3B-PT2 - 30.4 psi

All four transmitters drifted in the negative direction and were within 2 percent of each other. The transmitters were last calibrated on February 8-9, 1973, and there has been no indication of problems since the last calibration.

Analysis of Occurrence:

The Reactor Protective System high and low pressure trips are actuated by signals from the affected pressure transmitters. The low pressure trip setpoint drifted in a conservative direction, and the high pressure trip setpoint drifted such that the high pressure trip setpoint exceeded the maximum RPS trip setting (2355 psig) by 24.4 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. This incident did not affect the health and safety of the public.

Corrective Action:

Immediate corrective action was to recalibrate the pressure transmitters. This was completed on May 8, 1974. To prevent similar occurrences, the frequency of calibration will be increased until there is assurance that the transmitters will not drift out of tolerance between calibrations. Initially, calibration will be performed during outages for repatching control rods, approximately

every 100 effective full power days.

Failure Data:

The RPS pressure transmitters are Motorola Type 56PM-56PL. The last calibration of these instruments was performed on February 8-9, 1973.