

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 387

FILE: INCIDENT REPORT

FROM: Duke Power Co. Charlotte, N.C. A.C. Thies		DATE OF DOC 1-9-75	DATE REC'D 1-15-75	LTR xxxx	TWX	RPT	OTHER
TO: Mr. Norman C. Moseley		ORIG 1-signed	CC	OTHER	SENT AEC PDR <u>xxxxxx</u>		SENT LOCAL PDR <u>xxx</u>
CLASS	UNCLASS xxxxxx	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-270		

DESCRIPTION:

Ltr trans the following

**ACKNOWLEDGED**

**DO NOT REMOVE**

ENCLOSURES:

Abnormal Occurrence #74-21 on 12-22-74 concerning reactor coolant pressure transmitter out of calibration.....

PLANT NAME:

Oconee #2

FOR ACTION/INFORMATION 1-16-75 JGB

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<input checked="" type="checkbox"/> OGC, ROOM P-506-A	<input checked="" type="checkbox"/> MACCARRY	<input checked="" type="checkbox"/> GAMMILL	<input checked="" type="checkbox"/> GEARIN (S)	<input checked="" type="checkbox"/> SALTZMAN
<input checked="" type="checkbox"/> MUNTZING/STAFF	<input checked="" type="checkbox"/> KNIGHT	<input checked="" type="checkbox"/> KASTNER	<input checked="" type="checkbox"/> GOULBOURNE (S)	<input checked="" type="checkbox"/> B. HURT
<input checked="" type="checkbox"/> CASE	<input checked="" type="checkbox"/> PAWLICKI	<input checked="" type="checkbox"/> BALLARD	<input checked="" type="checkbox"/> KREUTZER (E)	<input checked="" type="checkbox"/> PLANS
<input checked="" type="checkbox"/> GIAMBUSSO	<input checked="" type="checkbox"/> SHAO	<input checked="" type="checkbox"/> SPANGLER	<input checked="" type="checkbox"/> LEE (S)	<input checked="" type="checkbox"/> MCDONALD
<input checked="" type="checkbox"/> BOYD	<input checked="" type="checkbox"/> STELLO	<input checked="" type="checkbox"/> ENVIRO	<input checked="" type="checkbox"/> MAIGRET (S)	<input checked="" type="checkbox"/> CHAPMAN
<input checked="" type="checkbox"/> MOORE (S) (BWR)	<input checked="" type="checkbox"/> HOUSTON	<input checked="" type="checkbox"/> MULLER	<input checked="" type="checkbox"/> REED (E)	<input checked="" type="checkbox"/> DUBE w/input
<input checked="" type="checkbox"/> DEYOUNG (S) (PWR)	<input checked="" type="checkbox"/> NOVAK	<input checked="" type="checkbox"/> DICKER	<input checked="" type="checkbox"/> SERVICE (S)	<input checked="" type="checkbox"/> E. COUPE
<input checked="" type="checkbox"/> SKOVHOLT (S)	<input checked="" type="checkbox"/> CROSS	<input checked="" type="checkbox"/> KNIGHTON	<input checked="" type="checkbox"/> SHEPPARD (S)	<input checked="" type="checkbox"/> D. THOMPSON (2)
<input checked="" type="checkbox"/> GOLLER (S)	<input checked="" type="checkbox"/> PIPPOLITO	<input checked="" type="checkbox"/> YOUNGBLOOD	<input checked="" type="checkbox"/> SLATER (E)	<input checked="" type="checkbox"/> KLEGGER
<input checked="" type="checkbox"/> P. COLLINS	<input checked="" type="checkbox"/> TEDESCO	<input checked="" type="checkbox"/> REGAN	<input checked="" type="checkbox"/> SMITH (S)	<input checked="" type="checkbox"/> EISENHUT
<input checked="" type="checkbox"/> DENISE	<input checked="" type="checkbox"/> LONG	<input checked="" type="checkbox"/> PROJECT LDR	<input checked="" type="checkbox"/> TEETS (S)	
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<input checked="" type="checkbox"/> FILE & REGION	<input checked="" type="checkbox"/> BENAROYA		<input checked="" type="checkbox"/> WILSON (S)	
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EXTERNAL DISTRIBUTION

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<input checked="" type="checkbox"/> 1-ACRS SENT TO LIC. ASST. <u>Sheppard</u>		

DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

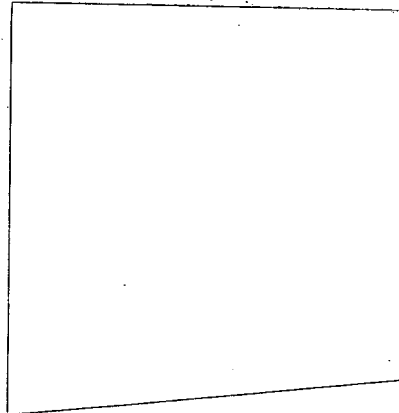
P. O. Box 2178

January 9, 1975

Regulatory

File Cy.

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:

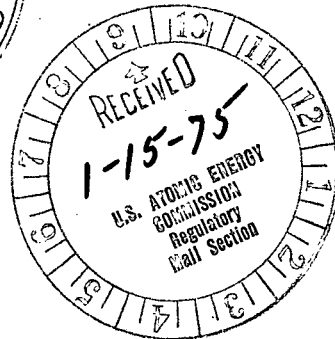
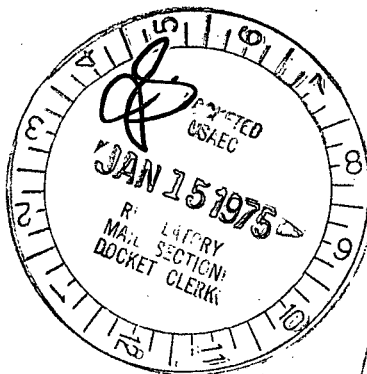
Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station  
Technical Specifications, please find attached Abnormal Occurrence  
Report AO-270/74-21.

Very truly yours,

A. C. Thies

ACT:vr  
Attachment

cc: Mr. Angelo Giambusso



DUKE POWER COMPANY  
OCONEE UNIT 2

Report No.: AO-270/74-21

Report Date: January 9, 1974

Occurrence Date: December 22, 1974

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Occurrence: Reactor coolant pressure transmitter out of calibration

Conditions Prior to Occurrence: Reactor at power operation

Description of Occurrence:

On December 22, 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 -2.4 percent. The full scale error measured as a result of this transmitter drift was -19.2 psi. This is one of four pressure transmitters which provides reactor coolant pressure information to the Reactor Protective System. The other three transmitters were within the required 2 percent accuracy. These transmitters were last checked on December 15, 1974.

Analysis of Occurrence:

The Reactor Protective System (RPS) 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 low pressure trip setpoint drifted in a conservative direction, and the high pressure trip setpoint exceeded the maximum RPS trip setting (2355 psig) by 13.2 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 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 specifi-

cations, 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.