C 09/13/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-269

REC: OREILLY J P
NRC

ORG: PARKER W O
DUKE PWR

DOCDATE: 09/05/78
DATE RCVD: 09/11/78

DOCTYPE: LETTER NOTARIZED: NO

COPIES RECEIVED
LTR 1 ENCL 1

SUBJECT:
FORWARDING LICENSEE EVENT REPT (RO 50-269/78-017) ON 08/08/78 CONCERNING DURING STARTUP FOLLOWING UNIT TRIP, THE RB NARROW RANGE PRESSURE INDICATION ON CHANNEL 1 APPEARED TO BE READING HIGH...CHANNEL TRIPPED DUE TO WATER IN TRANSMITTER DURING EARLIER INC

PLANT NAME: OCONEE - UNIT 1

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: MC

********** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS **********

NOTES:
1. M. CUNNINGHAM -- ALL AMENDMENTS TO FSAR AND CHANGES TO TECH SPECS

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF ORB#4 BC**W/4 ENCL

INTERNAL:
REG FILE**W/ENCL
I & E**W/2 ENCL
I & C SYSTEMS BR**W/ENCL
NOVAK/CHECK**W/ENCL
AD FOR ENG**W/ENCL
HANAUER**W/ENCL
AD FOR SYS & PROJ**W/ENCL
ENGINEERING BR**W/ENCL
KREGER/J. COLLINS**W/ENCL
K SEYFRIT/IE**W/ENCL
NRC PDR**W/ENCL
MIPC**W/3 ENCL
EMERGENCY PLAN BR**W/ENCL
EEB**W/ENCL
PLANT SYSTEMS BR**W/ENCL
AD FOR PLANT SYSTEMS**W/ENCL
REACTOR SAFETY BR**W/ENCL
VOLLMER/BUNCH**W/ENCL
POWER SYS BR**W/ENCL

EXTERNAL:
LPDR'S
WALHALLA, SC**W/ENCL
NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

A04

DISTRIBUTION: LTR 44 ENCL 44
SIZE: 1P+1P

CONTROL NBR: 781500280

********** THE END **********

DUKE POWER COMPANY
POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

September 5, 1978

TELEPHONE: AREA 704
373-4083

Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

RE: Oconee Unit 1
Docket No. 50-269

Dear Mr. O'Reilly:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station Technical Specifications, please find attached Reportable Occurrence Report RO-269/78-17.

Very truly yours,

William O. Parker, Jr.

KRW:scs
Attachment

cc: Director, Office of Management Information
and Program Control

781500280

A002
5/1

DUKE POWER COMPANY
OCONEE UNIT 1

Report Number: RO-269/78-17

Report Date: September 5, 1978

Occurrence Date: August 8, 1978

Facility: Oconee Unit 1, Seneca, South Carolina

Identification of Occurrence: Reactor Building Pressure Transmitter Out-of-Calibration

Conditions Prior to Occurrence: 90% Full Power

Description of Occurrence:

On August 6, 1978, during the performance of PT/1/A/0600/01 (Periodic Instrument Surveillance) operating personnel observed that ES Analog Channel 1, Reactor Building Pressure was reading high. The channel was removed from service due to the anomolous readings. When the channel was recalibrated, on August 8, 1978, the zero-shift was found to be in the non-conservative direction (indicated less than actual pressure) contrary to the requirements of Oconee Technical Specification 3.5.3 (ESF Actuation Setpoints). The channel was recalibrated and returned to service.

Cause of Occurrence:

The transmitter for this channel (1PT4P) is located in the Penetration Room. One week prior to the occurrence a valve leak in the vicinity had allowed water to enter the transmitter and to disrupt its proper operation. The water was drained and the transmitter was recalibrated. The calibration was done with the unit at 47% FP. Changes in temperature and humidity, coupled with excess water remaining in the transmitter apparently caused the transmitter to drift.

Analysis of Occurrence:

Reactor Building Analog Channel 1 is one of three redundant channels which, upon actuation of 2-out-of-3 channels, serves to initiate the HPI, LPI, and other ESF systems. The particular transmitter involved indicated narrow-range pressure. The channels trip at $\leq$ 4 psig and serve as indications of significant pressure transients within the reactor building. During the period in which Channel 1 was not functioning properly, as well as when it was taken out of service for recalibration, both redundant channels were operable and would have tripped at $\leq$4 psig as required. Thus, the incident did not impair the functional capability of the ES system, nor did it cause any adverse effects on public health and safety.

Corrective Action:

The transmitter involved was recalibrated to restore it to its normal condition. Additionally, the seal on the transmitter housing was tightened to prevent moisture from affecting it and to improve its reliability.

NRC FORM 366
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

CONTROL BLOCK: ① (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 LICENSEE CODE: S C N E E 1 ② LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 ③ LICENSE TYPE: 4 1 1 1 1 ④ CAT ⑤

CON'T 0 1 REPORT SOURCE: L ⑥ DOCKET NUMBER: 0 5 0 0 0 2 6 9 ⑦ EVENT DATE: 0 8 0 8 7 8 ⑧ REPORT DATE: 0 9 0 5 7 8 ⑨

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

0 2 On August 6, 1978, during startup following a unit trip, the RB narrow range
0 3 pressure indication on Channel 1 appeared to be reading high. The channel was
0 4 removed from service until calibration could be checked. On August 8 the
0 5 channel was recalibrated and found to be non-conservative. The two redundant
0 6 channels were available to provide trip signal at the required pressure, if
0 7 necessary. Thus no adverse effects to the public could have resulted.
0 8

0 9 SYSTEM CODE: I B ⑪ CAUSE CODE: E ⑫ CAUSE SUBCODE: G ⑬ COMPONENT CODE: I N S T R U ⑭ COMP. SUBCODE: T ⑮ VALVE SUBCODE: Z ⑯

⑰ LER/RO REPORT NUMBER: EVENT YEAR: 7 8 — SEQUENTIAL REPORT NO.: 0 1 7 / OCCURRENCE CODE: 0 3 REPORT TYPE: L — REVISION NO.: 0

ACTION TAKEN: E ⑱ FUTURE ACTION: Z ⑲ EFFECT ON PLANT: Z ⑳ SHUTDOWN METHOD: Z ㉑ HOURS ㉒: 0 0 0 0 ATTACHMENT SUBMITTED: Y ㉓ NPRD-4 FORM SUB.: Y ㉔ PRIME COMP. SUPPLIER: L ㉕ COMPONENT MANUFACTURER: M 4 5 5 ㉖

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ㉗

1 0 During an earlier incident this channel had tripped due to water in this
1 1 transmitter. The water had come from a valve leak in the vicinity of the
1 2 transmitter. Apparently the transmitter drifted out of calibration following
1 3 this incident due to changes in temperature and humidity. The transmitter was
1 4 recalibrated and the seal through which the water had entered was tightened.

1 5 FACILITY STATUS: C ㉘ % POWER: 0 9 0 ㉙ OTHER STATUS ㉚: NA METHOD OF DISCOVERY: A ㉛ DISCOVERY DESCRIPTION ㉜: Operator Observation

1 6 ACTIVITY RELEASED: Z ㉝ CONTENT OF RELEASE: Z ㉞ AMOUNT OF ACTIVITY ㉟: NA LOCATION OF RELEASE ㊱: NA

PERSONNEL EXPOSURES
1 7 NUMBER: 0 0 0 ㊲ TYPE: Z ㊳ DESCRIPTION ㊴: NA

PERSONNEL INJURIES
1 8 NUMBER: 0 0 0 ㊵ DESCRIPTION ㊶: NA

LOSS OF OR DAMAGE TO FACILITY ㊸
1 9 TYPE: Z ㊷ DESCRIPTION: NA

PUBLICITY
2 0 ISSUED: N ㊹ DESCRIPTION ㊺: NA

NRC USE ONLY

NAME OF PREPARER K. R. Wilson PHONE: (704) 373-8197