#### DUKE POWER COMPANY OCONEE UNIT 2

Report No.: RO-270/78-1

Report Date: February 10, 1978

Occurrence Date: January 13, 1978

Facility: Oconee Unit 2, Seneca, South Carolina

Description of Occurrence: Core Flood Tank 2A Level Instruments Inoperable

Conditions Prior to Occurrence: Cold Shutdown

### Description of Occurrence:

During the performance of procedure IP/0/A/201/1A, both level instruments on Core Ylood Tank 2A were determined to be out of calibration in the non-conservative direction. One channel of level instrumentation was indicating high by 0.34 feet, the other by 0.45 feet. By Specification 3.3.6, only one level instrument may be inoperable during operation above 800 psig. Both instruments were calibrated and returned to operation.

## Apparent Cause of Occurrence:

There was no apparent cause for the occurrence. These instruments were last calibrated during the previous refueling outage.

# Analysis of Occurrence:

The core flood system is one of three means designed to provide emergency core cooling (ECCS), the others being the high and low pressure injection systems. In the event of an accident, all of these systems would have operated to maintain the core covered and to cool the core. The combined volume of water in both core flood tanks was always above the minimum volume of water in both core flood tanks was always above the minimum amount required. Thus, the health and safety of the public were not endangered.

#### Corrective Action:

Both channels of level instruments were calibrated and returned to operation.

CONTROL BLOCK: THE ALL REQUIRED INFORMATION
0 1 S CN E E E 2 3 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 1 0 57 CAT 54 3
CONT  AEPORT L G 0 5 0 0 0 2 7 0 7 0 1 1 1 3 7 8 8 0 0 2 1 1 0 7 8 9  EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10
During the performance of procedure IP/U/A/201/1A, both level instituments
on Core Flood Tank 2A were determined to be out of calibration in the non-
conservative direction. One channel of level instrumentation was indicating
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level instrument may be inoperable during operation above 800 psig. Both
instruments were calibrated and returned to operation.
O   8   SYSTEM CAUSE CAUSE COMP. VALVE
TID TO E TO SUBCODE SU
LERING EVENTYEAR REPORT NO.  17 REPORT 7 8
ACTION RUTURE EFFECT SHUTDOWN HOURS 2 ATTACHMENT NORDA FRIME COMP. COMPONENT MANUFACTURER
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
There wasnot apparent cause for the occurrence. Both channels had been
calibrated during the previous refueling outage. Both channels of level
instrumentation were calibrated and returned to operation.
7 3 5 FACILITY FACILITY OTHER STATUS 30 METHOD OF DISCOVERY DESCRIPTION (32)
B During instr. performance test
ACTIVITY CONTENT  RELEASED OF RELEASE  AMOUNT OF ACTIVITY (35)  LOCATION OF RELEASE (36)
7 8 9 10 11 44 45 80
NUMBER TYPE DESCRIPTION (39)  NA  PERSONNEL INJURIES 13
1 8 0 0 0 0 0 NA
LOSS OF ON DAMAGE TO FACILITY (3)
NAC USE CNLY
2 0 N N NA NA
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