

U.S. NUCLEAR REGULATORY COMMISSION
LICENSEE EVENT REPORTAPPROVED BY OMS
3130-0011
EXPIRES 4-30-82

CONTROL BLOCK

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 N C I M G S 1 2 0 0 - 0 0 0 0 0 - 0 0 0 3 4 1 1 1 1 4 5
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT

CONT

01 REPORT SOURCE L 9 0 5 0 0 0 3 6 9 7 1 1 1 2 8 3 3 1 2 1 2 8 3 9
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 While in Mode 3, during a controlled reactor shutdown, the source range indication
03 for channel N-32 failed high resulting in a high flux reactor trip. Channel N-32
04 was subsequently declared inoperable. This constitutes a degradation of the reactor
05 trip system instrumentation (T.S.3.3.1, Table 3.3-1 functional unit #6) which is
06 reportable pursuant to T.S.6.9.1.11(b) and similar to RO-369/82-54. The reactor
07 trip caused the rods to drop shutting down the reactor; a conservative response
08 to an inoperable instrument or an inadvertent increase in reactivity. Health and
09 safety of the public were unaffected.

09 I A 11 E 12 X 13 I N S T R U 14 E 15 Z 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP SUBCODE VALVE SUBCODE
17 LER/RO REPORT NUMBER 8 3 1 1 0 0 3 L 0
21 22 23 24 25 26 27 28 29 30 31 32
EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE REVISION NO.
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER (26)
18 A 19 Z 20 Z 21 Z 22 0 0 0 0 23 N 24 N 25 L 26 X 9 9 9
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 This is attributed to component failure because the source range detector for channel
11 N-32 failed. Two grounding wires in the pre-amplifier were found loose, and the
12 detector (BF3 gas-filled chamber) was determined to be failed. The wires were
13 soldered, and a new source range and intermediate range detector assembly installed.
14 Functional tests were performed and the channel declared operable.

15 FACILITY STATUS 28 D 29 0 0 0 30 NA 31 A 32 Reactor Trip
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
ACTIVITY CONTENT RELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
16 Z 33 Z 34 NA 35 NA 36 NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION 39
17 0 0 0 37 Z 38 NA 39 NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
PERSONNEL INJURIES NUMBER DESCRIPTION 41
18 0 0 0 40 NA 41 NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION 43
19 Z 42 NA 43 NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
PUBLICITY ISSUED DESCRIPTION 45
20 N 44 NA 45 NA
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
NAME OF PREPARER PHONE (704) 373-7432

DUKE POWER COMPANY

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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

December 22, 1983
DEC 22 11:08

Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street NW, Suite 2900
Atlanta, Georgia 30303

Subject: McGuire Nuclear Station Unit 1
Docket No. 50-369
LER/RO-369/83-110

Dear Mr. O'Reilly:

Please find attached Reportable Occurrence Report RO-369/83-110. This report concerns T.S. 3.3.1, "As a minimum, the reactor trip system instrumentation channels and interlocks of Table 3.3-1 shall be operable...". This incident was considered to be of no significance with respect to the health and safety of the public.

Very truly yours,

H. B. Tucker

Hal B. Tucker

PBN:jfw
Attachment

cc: Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. W. T. Orders
NRC Resident Inspector
McGuire Nuclear Station

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Institute of Nuclear Power Operations
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Atlanta, Georgia 30339

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