

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

01 | N | C | M | G | S | 1 | 2 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

LICENSEE CODE

LICENSE NUMBER

LICENSE TYPE

CAT 15

CONT

01 | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 6 | 9 | 7 | 0 | 7 | 0 | 1 | 8 | 3 | 8 | 0 | 8 | 0 | 5 | 8 | 3 | 9

REPORT SOURCE

DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | During a startup, while reactor power was being increased the quadrant power tilt
03 | ratio (QPTR) in quadrant II exceeded 1.02 (actually 1.0254), and later was
04 | 1.0275 in quadrant IV after quadrant II's ratio had been reduced to within limits.
05 | This violates T.S.3.2.4 which is reportable per T.S.6.9.1.11(b). Reactor power
06 | did not exceed 85% while the power tilt existed, and the problem was eliminated
07 | within T.S. limit of 24 hours. The tilt was more of an operational problem than
08 | a safety concern since reactor control was maintained through boration and control
09 | rod movement. Health and safety of the public were unaffected.

09 | Z | Z | 11 | X | 12 | Z | 13 | Z | Z | Z | Z | Z | 14 | Z | 15 | Z | 16

17 | LER NO. REPORT NUMBER | 8 | 3 | 21 | 22 | 0 | 5 | 3 | 24 | 25 | 0 | 3 | 26 | 27 | L | 28 | 29 | 0 | 30 | 31 | 0 | 32

18 | X | 18 | Z | 19 | B | 20 | Z | 21 | 0 | 0 | 2 | 3 | 22 | N | 23 | N | 24 | Z | 25 | Z | 9 | 9 | 9 | 26

19 | ACTION TAKEN | FUTURE ACTION | EFFECT ON PLANT | SHUTDOWN METHOD | HOURS | ATTACHMENT SUBMITTED | NPRO-4 FORM SUB. | PRIME COMP. SUPPLIER | COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | The cause of the tilt was a xenon (135) imbalance in the core, the origin of which
11 | is unknown. Reactor power was increased to 85 percent to eliminate the xenon by
12 | increasing the neutron flux (increasing the "xenon burnup" process). After app-
13 | roximately 12 hours the QPTRs had decreased to within limits. Applicable T.S.
14 | 3.2.4 action statements were implemented until the QPTR was within limits.

15 | C | 28 | 0 | 2 | 0 | 29 | N/A | 30 | A | 31 | Control Room Alarms | 32

16 | Z | 33 | Z | 34 | N/A | 35 | N/A | 36

16 | Z | 33 | Z | 34 | N/A | 35 | N/A | 36

17 | 0 | 0 | 0 | 37 | Z | 38 | N/A | 39

18 | 0 | 0 | 0 | 40 | N/A | 41

19 | Z | 42 | N/A | 43

20 | N | 44 | N/A | 45

NAME OF PREPARER Phillip B. Nardoci

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PDR ADOCK 05000369
S PDR

NRC USE ONLY

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CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

August 5, 1983

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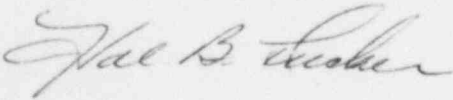
Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Subject: McGuire Nuclear Station Unit 1
Docket No. 50-369
LER/RO-369/83-53

Dear Mr. O'Reilly:

Please find attached Reportable Occurrence Report RO-369/83-53. This report concerns T.S. 3.2.4, "The quadrant power tilt ratio shall not exceed 1.02". This incident was considered to be of no significance with respect to the health and safety of the public.

Very truly yours,



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

Records Center
Institute of Nuclear Power Operations
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