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DUKE POWER

DATE: June 26, 1996

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

Subject: McGuire Nuclear Station Unit 2
Special Report 96-03
Problem Investigation Process No.: 2-M96-1690

Gentlemen:

Pursuant to McGuire Nuclear Station License Condition 2.C(12), attached is Special Report 96-03 concerning Failure Of Reactor Trip Bypass Breaker 2A Due To An Unknown, Possible Material Deficiency. This event is considered to be of no significance with respect to the health and safety of the public.

Very truly yours,


T.C. McMeekin

JWP/bcb

Attachment

cc: Mr. S.D. Ebnetter
Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta St., NW, Suite 2900
Atlanta, GA 30323

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
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Mr. Victor Nerses
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Mr. George Maxwell
NRC Resident Inspector
McGuire Nuclear Station

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PDR ADOCK 05000370
S PDR

Handwritten initials "JWP" and a vertical line.

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NSRB Support Staff (EC05N)

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS MANDATORY INFORMATION COLLECTION REQUEST: 50.0 HRS. REPORTED LESSONS LEARNED ARE INCORPORATED INTO THE LICENSING PROCESS AND FED BACK TO INDUSTRY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

McGuire Nuclear Station, Unit 2

DOCKET NUMBER (2)

05000370

PAGE (3)

1 OF 1

TITLE (4)

Failure Of Reactor Trip Bypass Breaker 2A Due To An Unknown, Possible Material Deficiency

EVENT DATE (5)

LER NUMBER (6)

REPORT DATE (7)

OTHER FACILITIES INVOLVED (8)

MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER(S)
06	12	96	N/A	N/A	N/A	06	26	96	N/A	05000

OPERATING

MODE (9)

5

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR (Check one or more of the following) (11)

POWER LEVEL (10)	0 %	20.402(b)	20.405(c)	50.73(a)(2)(v)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	X OTHER (Specify in
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	Abstract below and
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	in Text, NRC Form
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	366A)

LICENSEE CONTACT FOR THIS LER (12)

NAME

J. W. Pitesa

TELEPHONE NUMBER

AREA CODE

(704)

875-4788

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS
X	RBK	CKTBRK	W120	YES					

SUPPLEMENTAL REPORT EXPECTED (14)

X YES (If yes, complete EXPECTED SUBMISSION DATE)

NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR
07	26	96

ABSTRACT (Limit to 1400 spaces, i.e. approximately fifteen single-space typewritten lines) (16)

Unit Status: Unit 2 was in Mode 5, Cold Shutdown, at 0 percent Reactor power. Special Report 96-03 is being submitted in accordance with McGuire Nuclear Station, Unit 2, License Condition 2.C(12).

Event Description: During the Unit 2 Train A SSPS Monthly Test on June 12, 1996, it was discovered that Unit 2 Bypass Reactor Trip Breaker BYA would not open electrically in the test position. The breaker failed to open on several attempts.

Event Cause: A cause of Unknown, Possible Material Deficiency has been assigned. Investigation revealed that a piece of the block for the Breaker Secondary Contact Assembly was chipped off. It was also noted that contact 4 (unrelated to the Shunt Trip Circuitry in question) was deformed/bent in such a manner that the position of the contact was higher than the other contacts in the assembly.

Corrective Action: The chipped block was replaced with a new block assembly from the warehouse. In addition, the shunt trip coil was replaced as a conservative measure. The breaker was re-tested and placed back in service. Inspections were performed on 6 of the 7 remaining reactor trip breakers on both units, looking for chipped blocks as well as deformed/bent contacts. The remaining breaker is scheduled to be inspected in early July, 1996. A thorough cause investigation will be completed by July 26, 1996.