NRC FORM 366 (12-81) 10 CFR 50

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

APPROVED BY OMB 3150-0011

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

01 | P A S E S 1 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | | (5)
LICENSEE CODE — LICENSE NUMBER — LICENSE TYPE — CAT

CON'T

01 | REPORT SOURCE L (6) | 0 5 0 0 0 3 8 7 (7) | 0 2 0 5 8 3 (8) | 0 3 0 4 8 3 (9)
DOCKET NUMBER — EVENT DATE — REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During the Startup Test Program at 93% power, while performing a monthly sur-
03 veillance (SI-83-208) on Reactor Vessel Level Switch LIS-B21-IN042A, which is
04 part of ADS acutation for "A" Channel, the technician found the indicating
05 switch to not meet the acceptance criteria in that the switch contacts would not
06 close at setpoint. There were no consequential effects to the public health and
07 safety. There is a redundant LIS in the other channel which was operable and
08 available.

09

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
S F (11)	E (12)	E (13)	I N S T R U (14)	S (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 3	—	0 2 4	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER (26)
A (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	B 0 8 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The switch contact problem was a mechanical failure within the mechanism. The
11 linkage mechanism on the torque tube became loose, which affected the linearity
12 adjustment of the indicator. The indicating portion of the instrument was out
13 of tolerance so the switch contacts would not actuate. This failure was an
14 isolated incident. The switch was replaced.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
15	B (28)	0 9 3 (29)	n/a	B (31)	surveillance testing

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
16	Z (33)	Z (34)	n/a	n/a

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
17	0 0 0 (37)	Z (38)	n/a

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
18	0 0 0 (40)	n/a

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
19	Z (42)	n/a

PUBLICITY

	ISSUED	DESCRIPTION (45)
20	N (44)	

8303160375 830304
PDR ADOCK 05000389
S PDR

NRC USE ONLY

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Attachment

Licensee Event Report 83-024/03L-0

During the Startup Test Program at 93% power, while I&C Technician was performing monthly surveillance (SI-83-208) on Reactor Vessel Low Level Switch LIS-B21-IN042A, which is part of ADS actuation for "A" channel, the level switch was found to be out of tolerance and the switch contacts would not close at setpoint.

Technical Specification 3.3.3 requires the minimum operable channels per trip system to be 2 and therefore, caused the operator to enter the action statement and declare the associated ECCS inoperable.

At the same time, the technician under the work authorization program, investigated the problem with the indicating level switch, recalibrated the switch and re-performed the applicable portion of SI-83-208. The switch was declared operable and the action statement was cleared. The switch continued to be monitored for setpoint drift.

The following day, the LIS on "A" channel was found to be indicating 7" lower than the "B" channel. The I&C Department removed the LIS and replaced it (Barton Model 288A) and calibrated the new switch.

Investigation of the replaced switch found the linkage mechanism on the torque tube to be loose. With the linkage mechanism loose and the instrument responding to an input, the linearity adjustment of the device changed. The switch failure was an isolated incident and its recurrence has been prevented by replacement of the device.

There were no consequential effects to the public health and safety. There is a redundant LIS in the "B" Channel which was operable and available.

JTT/cg