NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

Line	Field	Value
0 1	Licensee Code (2)	M D C C N 2
	License Number (3)	0 0 - 0 0 0 0 0 - 0 0
	License Type (4)	4 1 1 1 1
	CAT (5)	
CON'T 0 1	Report Source (6)	L
	Docket Number (7)	0 5 0 0 0 3 1 8
	Event Date (8)	0 1 0 7 8 1
	Report Date (9)	0 2 0 5 8 1

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 At 0930, Channel B reactor protective system trip units for Hi Power,
0 3 Thermal Margin/Low Pressure (TM/LP) and Axial Flux Offset (AFO) were
0 4 bypassed for troubleshooting the linear power range instrument. The
0 5 detector output was faulty therefore Channel B Hi Power, TM/LP, and
0 6 AFO trip units were placed in the tripped condition at 1255 on 1-8-81
0 7 per T.S. 3.3.1.1. The three redundant channels were operable. LER's
0 8 79-50 and 80-05 (U-2) report earlier symptoms of the problem.

0 9	System Code (11)	Cause Code (12)	Cause Subcode (13)	Component Code (14)	Comp. Subcode (15)	Valve Subcode (16)
	I A	E	F	I N S T R U	X	Z

(17) LER/RO Report Number	Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No.
	8 1	—	0 0 1	/	0 3	L	—	0

Action Taken (18)	Future Action (19)	Effect on Plant (20)	Shutdown Method (21)	Hours (22)	Attachment Submitted (23)	NPRD-4 Form Sub. (24)	Prime Comp. Supplier (25)	Component Manufacturer (26)
X	A	Z	Z	0 0 0 0	N	Y	A	X 9 9 9

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The upper subchannel detector's field cable connector (King Electronics
1 1 Co., Inc. #KH5905) was found loosened, making intermittent contact. The
1 2 connector will be replaced during the current refueling outage. This has
1 3 not been a repetitive failure; it is considered to be due to wear and
1 4 handling during its service. No preventive action is necessary.

Line	Facility Status (28)	% Power (29)	Other Status (30)	Method of Discovery (31)	Discovery Description (32)
1 5	E	0 5 5	NA	A	Operator Observation

Line	Activity Released (33)	Content of Release (34)	Amount of Activity (35)	Location of Release (36)
1 6	Z	Z	NA	NA

Line	Personnel Exposures Number (37)	Type (38)	Description (39)
1 7	0 0 0	Z	NA

Line	Personnel Injuries Number (40)	Description (41)
1 8	0 0 0	NA

Line	Loss of or Damage to Facility Type (42)	Description (43)
1 9	Z	NA

Line	Publicity Issued (44)	Description (45)	NRC Use Only
2 0	N	NA	

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LER NO. 81-01/3L
DOCKET NO. 50-318
LICENSE NO. DPR-69
EVENT DATE 01-07-81
REPORT DATE 02-05-81
ATTACHMENT

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (CONT'D)

Operations personnel reported a high deviation between the Channel "B" Ex-core Nuclear Instrument calculated ASI and the In-core calculated ASI. Subsequent attempts at calibration and troubleshooting revealed a further degeneration of the upper subchannel detector signal previously reported on LER's 05000318/79-50 and 05000318/80-05. Oscilloscope checks revealed regular noise spikes at this time, vice the sinusoidal patterns detected in earlier troubleshooting.

In this and in earlier attempts at troubleshooting, connector cleaning and insulation resistance checks on the cable were included. Results were in expected ranges. After reactor shutdown for the current refueling and during preparations for the detector (2-NE-006) replacement, the faulted connector was noted. During the Unit 2 Refueling Outage, all similar Ex-core Nuclear Instrumentation connectors have been sight verified as part of an engineering review in progress. Routine refueling surveillance tests of detectors and cables have disclosed no additional problems in cables or connectors. The connector will be replaced during the current refueling outage. Therefore, no preventive action is deemed necessary.