LICENSEE EVENT REPORT

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

/0/1/ /V/A/N/A/S/2/ (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

/0/1/ REPORT SOURCE /L/ (6)   /0/5/0/0/0/3/3/9/ (7)   /0/8/0/3/8/0/ (8)   /6/8/2/7/8/0/ (9)
                              DOCKET NUMBER   EVENT DATE   REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

/0/2/ / On August 3, 1980, during an RCS cooldown to 450°F, the Control Room Operator /

/0/3/ / observed that the individual rod position indication for rod N-9 in shutdown /

/0/4/ / bank "A" deviated from the group demand position by greater than 12 steps. The/

/0/5/ / reactor trip breakers were immediately opened in compliance with T.S. 3.1.3.3 /

/0/6/ / and the IRPI was recalibrated, consequently the health and safety of the /

/0/7/ / general public were not affected. This event is reportable pursuant to T.S. /

/0/8/ / 6.9.1.9.b. /

SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
/0/9/ /I/E/ (11)	/E/ (12)	/E/ (13)	/I/N/S/T/R/U/ (14)	/I/ (15)	/Z/ (16)

(17) REPORT NUMBER	LER/RO EVENT YEAR	SEQUENTIAL REPORT NO.	OCCURRENCE CODE	REPORT TYPE	REVISION NO.
	/8/0/	/-/ /0/4/5/ /\/	/0/3/	/L/	/-/ /0/

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
/E/ (18)	/Z/ (19)	/Z/ (20)	/Z/ (21)	/0/0/0/0/ (22)	/Y/ (23)	/N/ (24)	/N/ (25)	/W/1/2/0/ (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

/1/0/ / The cause of this indicator disagreement was attributed to instrument drift. /

/1/1/ / This is a recurring problem and is generic to Westinghouse analog rod position /

/1/2/ / indication systems. The rod position indicator channel for N-9 was properly /

/1/3/ / recalibrated and returned to service. /

/1/4/ / /

FACILITY STATUS	%POWER	OTHER STATUS	METHOD OF DISCOVERY (30)	DISCOVERY DESCRIPTION (32)
/1/5/ /B/ (28)	/0/0/0/ (29)	/ NA /	/A/ (31)	/ Operator Observation /

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
/1/6/	/Z/ (33)	/Z/ (34)	/ NA /	/ NA /

	PERSONNEL EXPOSURES NUMBER	TYPE	DESCRIPTION (39)
/1/7/	/0/0/0/ (37)	/Z/ (38)	/ NA /

	PERSONNEL INJURIES NUMBER	DESCRIPTION (41)
/1/8/	/0/0/0/ (40)	/ NA /

	LOSS OF OR DAMAGE TO FACILITY (43) TYPE	DESCRIPTION
/1/9/	/Z/ (42)	/ NA /

	PUBLICITY ISSUED	DESCRIPTION (45)	NRC USE ONLY
/2/0/	/N/ (44)	/ NA /	/_/_/_/_/_/_/_/_/_/_/_/_/_/

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Description of Event

On August 3, 1980, an RCS cooldown in Mode 3 was in progress when the Control Room Operator observed a greater than 12 step disagreement between the Individual Rod Position Indicator (IRPI) for rod N-9 in shutdown bank "A" and the group demand indication.

Probable Consequences of Event

Operability of the control rod position indication is required to determine rod position and thereby ensure compliance with the control rod alignment and insertion limits. Since the control rod was not misaligned and the position indication was properly restored, there was no effect on the safe operation of the plant. As a result, the health and safety of the general public were not affected.

Cause of Event

The cause of the disagreement in rod position indication was instrument drift. This drift can be caused by changes in the temperature of the rod drive line, changes in the frequency of the excitation source, and by changes in secondary loadings.

Immediate Corrective Action

The reactor was immediately tripped as per T.S. 3.1.3.3 and the rod position indicator channel for rod N-9 was satisfactorily recalibrated and returned to service.

Scheduled Corrective Action

A long term investigation into the problems associated with the IRPI system is in progress. No further corrective action is scheduled until an adequate design modification is developed and proven effective.

Actions Taken to Prevent Recurrence

No further actions are required at this time.

Generic Implications

Rod position indicator drift is a generic problem with the Westinghouse analog rod position indication system. This system is used in North Anna Units 1 and 2.