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 LICENSEE CODE LICENSE NUMBER LICENSE TYPE
 1 0 1 1
 7 8
 REPORT SOURCE 16 61 0 5 0 0 0 3 1 3 17 68 69 0 1 2 4 8 3 18 74 75 0 5 2 5 8 4 19 80
 DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

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10r: 1/24/83, while in refueling shutdown, a Reactor Building pressure transmitter (PT-2405) was found to be out
10 of specified tolerance. Engineered Safeguards Actuation System (ESAS) Analog Channel 1 calibration indicated
10 that PT-2405 had zero-shifted approximately 1.125% low. On 1/26/83, while performing ESAS Analog Channel 2
10 calibration, another Reactor Building pressure transmitter (PT-2406) was found to have zero-shifted by
10 approximately 1.25% low. These shifts in transmitted outputs would have resulted in late ESAS actuation of
10 approximately .45 psi for PT-2405 and .50 psi for PT-2406. Part of the followup actions to the events
10 described above included a recheck of the pressure transmitter setpoints during the next (cont)

[illegible]

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

	Cause Description	Corrective Actions
[1][0]	The cause of the zero-shift could not be determined.	The zero adjustment was the only correction required. A design change involving the transmitters, cables, and Loss of Coolant Accident (LOCA) splices is in progress during this refueling. After completion of the design change, the final checkout and calibrations were performed in February 1983. On 7/25/83, the actuation setpoints were reduced from 18.6 psia to 18.03 psia and from 44.6 psia to 44.03 psia to provide additional allowance for drift. (cont)
[1][1]		
[1][2]		
[1][3]		
[1][4]		

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
<u>1</u> <u>5</u> <u>7</u> <u>8</u>	<u>10</u> <u>128</u> <u>9</u> <u>129</u>	<u>NA</u> <u>13</u>	<u>C</u> <u>131</u> <u>45</u> <u>46</u>	Special Surveillance
ACTIVITY	CONTENT			

RELEASED		OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	
1	6	2	34	1	NA	1	NA
7	8	9	10	11	135	45	136
PERSONNEL EXPOSURES				44		80	

PERSONNEL EXPOSURES										44	45	80
NUMBER					TYPE		DESCRIPTION					
1	1	7	1	0	0	0	37	2	38	NA		
7			8	9			11	12	13			139

PERSONNEL INJURIES				80
NUMBER		DESCRIPTION		
1	8	10	10	140
7	8	9	11	12
NA				141

LOSS OF OR DAMAGE TO FACILITY		80
TYPE	DESCRIPTION	
1 9	2 42 NA	143

PUBLICITY									
ISSUED		DESCRIPTION							
2	0	N 144	NA						
7	8	9	10						
NRC USE ONLY									

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LER No. (50-313) 83-003/03X-2

Occurrence Date: 01/24/83

Event Description and Probable Consequences (Continued)

cold shutdown of sufficient duration. This recheck was accomplished on 7/12/83, at which time it was found that the output of ESAS pressure transmitters PT-2406 and PT-2407 had drifted such that actuation setpoints would have occurred late. The containment isolation actuation signal would have occurred at approximately 19.06 psia for PT-2406 and 18.84 psia for PT-2407 (Technical Specification (T.S.) limit 18.7 psia). The reactor building spray actuation signal would have occurred at 45.24 psia for PT-2406 (T.S. limit 44.7 psia). PT-2407 was within limit for this actuation point. This occurrence is reportable per T.S. 6.12.3.2.a. No similar occurrences have been reported regarding these particular transmitters; however, instrument drift has been reported previously in LER's (50-313) 74-008, 76-003, 83-004, 83-006 and 83-007. The pressure transmitters involved with this LER are Fischer and Porter Model 50EN1021 ACXB.

Cause Description and Corrective Actions (Continued)

These pressure transmitters were calibrated during a mid-cycle maintenance outage that occurred in March, 1984. None of the errors found during calibration would have resulted in a late Engineered Safeguards Actuation on reactor building pressure. These pressure transmitters are scheduled for replacement in accordance with AP&L submittals regarding IEB 79-01B.



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May 25, 1984

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U. S. Nuclear Regulatory Commission
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Washington, D.C. 20555

Subject: Arkansas Nuclear One - Unit 1
Docket No. 50-313
License No. DPR-51
Licensee Event Report
No. 83-003/03X-2

Gentlemen:

In accordance with Arkansas Nuclear One - Unit 1 Technical Specification 6.12.3.2.a, attached is the subject report concerning a Reactor Building pressure transmitter (PT-2405) which was found to be out of tolerance. This is a revision to a previous report submitted August 2, 1983.

Very truly yours,

A handwritten signature in black ink, reading 'John R. Marshall'.

John R. Marshall
Manager, Licensing

JRM:RJS:ac

Attachment

cc: Mr. Richard P. Denise, Director
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