

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) VERMONT YANKEE NUCLEAR POWER STATION	DOCKET NUMBER (2) 0 5 0 0 0 0 2 7 1	PAGE (3) 1 OF 0 2
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TITLE (4)
Loose Circuit Board Mounting Screws in Rosemount Transmitters

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 NAMES		DOCKET NUMBER(S)	
0 8	0 8	8 4	8 4	0 1	9 -	0 0	0 9	0 7	8 4			0 5 0 0 0 0

OPERATING MODE (9) **N**

POWER LEVEL (10) **0 1 0 0**

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.408(j)	<input type="checkbox"/> 80.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.408(a)(1)(i)	<input type="checkbox"/> 80.38(a)(1)	<input checked="" type="checkbox"/> 80.73(a)(2)(v)	<input type="checkbox"/> 73.71(a)
<input type="checkbox"/> 20.408(a)(1)(ii)	<input type="checkbox"/> 80.38(a)(2)	<input type="checkbox"/> 80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
<input type="checkbox"/> 20.408(a)(1)(iii)	<input type="checkbox"/> 80.73(a)(2)(i)	<input type="checkbox"/> 80.73(a)(2)(vii)(A)	
<input type="checkbox"/> 20.408(a)(1)(iv)	<input type="checkbox"/> 80.73(a)(2)(ii)	<input type="checkbox"/> 80.73(a)(2)(vii)(B)	
<input type="checkbox"/> 20.408(a)(1)(v)	<input type="checkbox"/> 80.73(a)(2)(iii)	<input type="checkbox"/> 80.73(a)(2)(v)	

NAME
James P. Pelletier, Plant Manager

LICENSEE CONTACT FOR THIS LER (12)

TELEPHONE NUMBER
AREA CODE **8 1 0 2** NUMBER **2 1 5 7 1 - 1 7 1 7 1 1 1**

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS
B	JIE	1 ILITRB	1619	Y					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE): NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

As a follow up to an occurrence on 6/15/84 where indication was lost from a Rosemount 1152T0280 level transmitter due to the circuit board mounting screws coming loose, mounting screws on all other model 1152T0280 transmitters were checked for tightness. Loose screws were found in 37% of the installed transmitters. All screws were retightened and proper calibration was verified.

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PDR ADOCK 05000271
S PDR

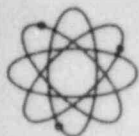
LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) VERMONT YANKEE	DOCKET NUMBER (2) 0 5 0 0 0 2 7 1	LER NUMBER (8)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	- 0 1 9	- 0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

On 6/15/84, LT-2-3-72 C(m) was found to be off scale high. Troubleshooting revealed the cause to be a loose circuit board in the level transmitter. The mounting screws were retightened and proper indication was restored. LT-2-3-72 C is a Rosemount model 1152T0280 transmitter. In conjunction with calibration activities during the refueling outage, the mounting screws on all Rosemount 1152T0280 transmitters were checked for tightness. These transmitters are used for Reactor Pressure and level indication for the Reactor Protection System and Emergency Core Cooling System initiations. As a result of this effort, screws were found loose approximately 3/4 to one full turn in 37% of the installed transmitters. It was also noted that the instrument manual for these transmitters shows a washer under the mounting screws and no washers were found on any of the transmitters. Since these circuit cards had never been removed from the transmitters, it is assumed that they were supplied that way by the manufacturer. Rosemount, Inc. was notified of the missing washers and this is being pursued with them. The mounting screws in the transmitters will be rechecked for tightness mid cycle to determine if vibration caused them to loosen. Since 1) the screws would have to loosen 3 to 4 turns for the circuit board to lose electrical contact, 2) only one transmitter was found to have all three of the mounting screws loose, and 3) redundant transmitters were available in all cases, this occurrence presented no adverse consequences to public health or safety.

There have been no similar occurrences reported to the commission.



VERMONT YANKEE NUCLEAR POWER CORPORATION

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VYV 84-470

September 7, 1984

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

REFERENCE: Operating License DPR-28
Docket No. 50-271
Reportable Occurrence No. LER 84-19

Dear Sirs:

As defined by 10CFR50.73, we are reporting the attached Reportable Occurrence as LER 84-19.

Very truly yours,


James P. Pelletier
Plant Manager

RDP/cjm

cc: Regional Administrator
USNRC Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

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