

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) VERMONT YANKEE NUCLEAR POWER STATION	DOCKET NUMBER (2) 0 5 0 0 0 2 7 1 1	PAGE (3) 1 OF 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)
08	08	84	84	019	01	11	07	84		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9) N

POWER LEVEL (10) 01010

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

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.36(e)(1)	<input checked="" type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(e)
<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)
<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	10 CFR 21
<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME James P. Pelletier, Plant Manager	TELEPHONE NUMBER AREA CODE 8 0 2 2 5 7 - 7 7 1 1
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
B	J	E	L	T	R	3	6	9	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 ADCK 05000271
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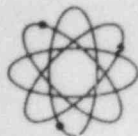
LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) VERMONT YANKEE	DOCKET NUMBER (2) 0 5 0 0 0 2 7 1 8 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		84	019	01	02	OF	02

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. There are 16 of these transmitters presently in service with instrument numbers PT-2-3-55A,B,C,D, PT-2-3-56A,B,C,D, LT-2-3-57A,B, LT-2-3-58A,B and LT-2-3-72A,B,C,D. 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 loose mounting screws. Rosemount's response on the missing washers was that this is an error in the instrument manual and will be corrected to show that no washers are required. Rosemount is evaluating the loose screws and has initially reported that during seismic testing no problems of this nature were encountered. The mounting screws in the transmitters will be rechecked for tightness at six month intervals to determine if vibration is causing 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 84-569

November 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 84-19-01

Dear Sirs:

As defined by 10CFR50.73 and 10CFR21, we are providing the attached
Revision to Reportable Occurrence LER 84-19.

Very truly yours,

James P. Pelletier
Plant Manager

RDP/drc

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

Director, Office of Inspection & Enforcement
USNRC
Washington, D.C. 20555 (3 copies)

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