

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Vermont Yankee Nuclear Power Station	DOCKET NUMBER (2) 0 5 0 0 0 2 7 1	PAGE (3) 1 OF 2
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TITLE (4) Failure of RCIC Steam Supply Valve Annunciation Relay		
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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	9	0	8	8	4	8	4	—	0	2	0	—	0	0	1	0	0	8	8	4	0	5	0	0	0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10) 01817	20.402(b)	20.406(a)	80.73(a)(2)(iv)	73.71(b)							
	20.406(a)(1)(i)	80.36(a)(1)	80.73(a)(2)(v)	73.71(e)							
	20.406(a)(1)(ii)	80.36(a)(2)	80.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)							
	20.406(a)(1)(iii)	80.73(a)(2)(i)	80.73(a)(2)(viii)(A)								
	20.406(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(viii)(B)								
	20.406(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(ix)								

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME	AREA CODE		
J.P. Pelletier, Plant Manager	8 0 2	2 5 7 - 7 7 1 1	

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS
X	B	N	-	1-1714	G	0	8	0	Y

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	NO				

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

On 9/8/84 during normal steady state operation, a RCIC valve overload alarm was received and indication was lost for the RCIC inboard steam supply valve, RCIC-15. The outboard steam supply valve, RCIC-16, was shut as required by T.S.3.7.D.2 and alternate testing was commenced as required by T.S. section 4.5.G.2. Failure was found to be due to shorting of an annunciator relay which caused the central power fuse to blow. The relay was replaced and valve operability was satisfactorily demonstrated.

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PDR ADOCK 05000271  
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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Vermont Yankee Nuclear Power Station	0500027184	84	020	00	02	OF	02

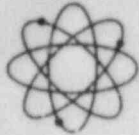
TEXT (If more space is required, use additional NRC Form 366A's) (17)

On 9/8/84, while operating at a steady state power level of 87%, a RCIC valve overload alarm was received and indication was lost for valve RCIC-15, the inboard steam supply valve. RCIC-16, the outboard steam supply valve was shut as required by T.S.3.7.D.2 and alternate testing was commenced per Tech. Spec. section 4.5.G.2.

Troubleshooting revealed the cause of the failure to be due to shorting of the coil on the annunciator relay for valve RCIC-15 which caused the control power fuse to blow. The annunciator relay is a Model CR120J22001 manufactured by General Electric Co. The relay and fuse were replaced and valve operability testing was performed to verify satisfactory valve operation.

Since RCIC-15 failed in the open position, and RCIC-16 would automatically open if a system initiation occurred, the RCIC system would have functioned if required. The isolation function was insured by closure of the downstream valve. Based upon the above, this occurrence presented no adverse affects to public health or safety.

There have been no similar occurrences reported to the Commission.



# VERMONT YANKEE NUCLEAR POWER CORPORATION

P. O. BOX 157  
GOVERNOR HUNT ROAD  
VERNON, VERMONT 05354

VYV 84-506

10/8/84

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 84-20

Dear Sirs:

As defined by 10CFR50.73, we are reporting the attached Reportable Occurrence as LER 84-20.

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

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