NRC Form 366 (9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Vermont Yankee Nuclear Power Station	0 5 0 0 0 2 7 1	1 OF 0 2

TITLE (4)

Failure of RCIC Steam Supply Valve Annunciation Relay

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
										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)	0 1 7	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	X 50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
		20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	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 NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	
X	B N	- I - 7 4	G 0 8 0	Y							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X 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.

IE22
1/1

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Vermont Yankee Nuclear Power Station	0 5 0 0 0 2 7 1	8 4	— 0 2 0	— 0 0	0 2 OF 0 2

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,

Richard J Brgnoli
for

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

IE22
1/1