

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 0 2

TITLE (4) HIGH RADIATION LEVEL IN REACTOR BUILDING

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 6	1 5	8 4	8 4	0 0 7	0 0	0 7	1 2	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 9 2		20.402(b)		20.408(c)		50.73(a)(2)(iv)		73.71(b)			
		20.408(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)			
		20.408(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vi)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
		20.408(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(viii)(A)					
		20.408(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)					
	20.408(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12)

NAME James P. Pelletier, Plant Manager TELEPHONE NUMBER 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 NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS										
X	I	G	D	R	I	V	G	1	0	8	0	Y							

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) X NO EXPECTED SUBMISSION DATE (15)

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

At 0905 on 6/15/84, a high area radiation alarm was received from the area of the traversing in-core probe (TIP) drive machines. After verifying the radiation levels in the area an ALERT was declared at 0920. Cause of the high radiation levels was determined to be due to the inadvertant withdrawal of the "A" TIP detector into the drive housing. The area was redesignated as a high radiation area and appropriate barriers were installed to restrict access to the area until the radiation decreased to a level where the detector could be disposed of. The ALERT was terminated at 1320 on 6/15/84.

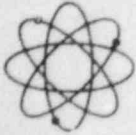
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) VERMONT YANKEE NUCLEAR POWER STATION	DOCKET NUMBER (2) 0 5 0 0 0 2 7 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	— 0 0 7	— 0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 386A's) (17)

At 0905 while performing core local power range monitor (LPRM) calibrations using the traversing in-core probe (TIP), a high radiation monitor alarm was received from the area radiation monitor near the TIP drives. Health Physics was notified to survey the area. At 0918, Health Physics reported a reading of 40 R/hr on contact with A TIP drive. At 0920, an ALERT was declared per AP 3125. It was determined that the A TIP detector had somehow been withdrawn into the drive machine. The area around the TIP drive was designated a high radiation area and barriers were installed until the radiation levels decayed to a point where the detector could be disposed of. At 1320 on 6/15/84, the ALERT condition was terminated. On 6/17/84, the TIP detector was removed and disposed of. Investigation revealed the cause for the inadvertent withdrawal to be due to the loss of the key from the drive sprocket allowing the sprocket to turn freely and the tension on the spring-loaded take-up reel to withdraw the TIP detector into the drive housing. The motor/drive sprocket normally provides the braking for the TIP's. The two other TIP machines will be inspected during the outage to verify proper position of the drive sprocket key and fixes made as necessary.



VERMONT YANKEE NUCLEAR POWER CORPORATION

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VERNON, VERMONT 05354
VYV84-366

July 12, 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 84-07

Dear Sirs:

As defined by 10CFR50.73, we are reporting the attached Reportable Occurrence as LER 84-07.

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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