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)

HPCI INOP

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 4	2 0	8 4	8 4	- 0 0 5	- 0 0	0 5	2 1	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)					
	20.402(b)		20.405(c)		50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 1 1 0 0	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
James P. Pelletier, Plant Manager	AREA CODE 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	
A											

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 4/20/84, at approximately 0445, the operators were performing monthly HPCI Valve Operability. Upon starting the auxiliary oil pump, it was observed that the trip throttle valve did not open. The SCRO pushed the HPCI high water level reset at which time the valve opened. Later the operators realized that a problem with HPCI operability had existed between the time of the last scram on 4/16/84 (Ref. LER 84-04) and when the reset button was pushed on 4/20/84.

To prevent reoccurrence, a check-off sheet will be added to the startup procedure, OP 0100 to insure all required system resets have been reset following any shutdown. An additional step will be added to the scram procedure, OP 3100, Final Conditions, requiring the operator to push all reset buttons as listed in the startup procedure.

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

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

On 4/20/84, during normal operation with the plant operating at 100% power, the operators were performing monthly HPCI valve operability testing. Upon starting the auxiliary oil pump, it was observed that the trip throttle valve did not open. A second attempt was made with the same results. The SCRO then pushed the HPCI High Water Level reset and the valve went open. During a subsequent review of the event, it was determined that a problem had existed with the high drywell initiation of the HPCI system during the time from the last trip on 4/16/84 (Ref. LER 84-04) and the time the reset button was pushed. The auto start on low Rx water level was fully operable during the entire period.

During the scram on 4/16/84 (LER 84-04), the Rx scrammed on hi steam flow due to MSIV closure. The Rx water level increased to a point at which a Hi level shutdown would have occurred had the system been operating. This high level shutdown by-passes the high drywell pressure initiation signal to prevent the system cycling around the high level setpoint during an accident. The high level shutdown is annunciated; however, this annunciator will clear when the level decreases below the high level setpoint while the bypass around the high drywell pressure initiation must be manually reset.

The Rx remained in Hot standby until startup some 13 hours later. By remaining in Hot standby it was assumed that all systems were operable. This was substantiated by the fact no alarms were present. The startup procedure, OP 0100, does instruct the operator to reset all reset buttons. However, there is no individual sign offs for each reset button. Since the HPCI System had not been called upon to operate during the trip, the operators overlooked the manual reset of the high level shutdown.

The cause of this event was due to operator error since the step was listed in the procedure but was not performed.

To prevent a reoccurrence of this event additional steps will be added to the Final Conditions of the scram procedure (OP 3100). These final conditions will insure all reset buttons as listed in the startup procedure (OP 0100) have been reset. In addition, the startup procedure (OP 0100) will have a check-off sheet added to document that each reset button has been reset.

No similar occurrence of this type has been reported to the Commission.

VERMONT YANKEE NUCLEAR POWER CORPORATION

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

May 21, 1984

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

REFERENCE: Operating License DPR-28
Docket No. 50-271
Reportable Occurrence No. LER 84-05

Dear Sirs:

As defined by 10CFR50.73, we are reporting the attached Reportable Occurrence as LER 84-05.

Very truly yours,

for 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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