

NRC Form 306 (9-83) U.S. NUCLEAR REGULATORY COMMISSION
 APPROVED OMB NO. 3150-0104 EXPIRES 8/31/86
LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Pilgrim Nuclear Power Station (PNPS) - Unit 1 DOCKET NUMBER (2) 05000293 PAGE (3) 1 OF 2

TITLE (4) Safety Valve Setpoints Below Requirement of Technical Specifications

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)
03	28	84	84	004	01	10	10	84			05000
											05000

OPERATING MODE (9) N THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)

20.402(b)	20.408(a)	80.73(a)(2)(iv)	73.71(b)
20.408(a)(1)(i)	80.38(a)(1)	80.73(a)(2)(v)	73.71(a)
20.408(a)(1)(ii)	80.38(a)(2)	80.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text, NRC Form 356A)
20.408(a)(1)(iii)	X 80.73(a)(2)(i)	80.73(a)(2)(viii)(A)	
20.408(a)(1)(iv)	80.73(a)(2)(ii)	80.73(a)(2)(viii)(B)	
20.408(a)(1)(v)	80.73(a)(2)(iii)	80.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME R. Schifone - Plant Engineer TELEPHONE NUMBER 617 746-7900

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
D	S	B	RVD	243	Y				

SUPPLEMENTAL REPORT EXPECTED (14)

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

EXPECTED SUBMISSION DATE (15)

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

On 3/28/84, during a refueling outage, the Maintenance Department was notified by Wyle Laboratories that both of the Main Steam Safety Valves exhibited set pressures more than 1% below the nameplate set pressure. This is contrary to the requirements of PNPS Technical Specification (T.S.) 2.2.C, which requires both valves to lift at 1240 psi ± 13 psi. When tested, one valve lifted at 1209 psi, and the other lifted at 1155 psi.

The cause of this deviation has been determined to be the set pressure calibration method. The procedure allowed for the use of the nitrogen as a substitute test gas, in lieu of steam.

As a result of this determination, future safety valve testing/calibration will be performed using steam as the test medium.

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NRC Form 388A
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES 9/31/85

FACILITY NAME (1) Pilgrim Nuclear Power Station - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 2 9 3	LER NUMBER (8)			PAGE (3)	
		YEAR 8 4	SEQUENTIAL NUMBER - 0 0 4	REVISION NUMBER - 0 1	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 388A's) (17)

On 3/28/84, during a refueling outage, the Maintenance Department was notified by Wyle Laboratories that both of the PNPS Dresser Main Steam Safety Valves, Model 3777, exhibited set pressures more than 1% below the nameplate set pressure. This is contrary to the requirements of PNPS Technical Specification (T.S.) 2.2.C, which requires both valves to lift at 1240 psi ± 13 psi. The subject valves were being tested in accordance with the requirements of T.S. 4.6.D.1.

Both valves were tested twice. Valve #203-4A, Serial #BK6262 lifted at 1213 psi during Test 1 and 1209 psi during Test 2.

Valve #203-4B, Serial #BK6309 lifted at 1165 psi during Test 1 and 1155 psi during Test 2.

Subsequent evaluation has indicated that the procedure used for set pressure calibration was inadequate. The procedure allowed for the use of nitrogen as a test gas, in lieu of steam. It has been concluded that this substitution resulted in the safety valves' pressure setpoints being in error.

On 4/7/84, at Wyle Lab., the above-mentioned valves were calibrated for set pressure and tested for leakage with steam as the test medium. Both valves were certified as acceptable.

As a result of these findings, future safety valve testing/calibration will be performed with steam as the test medium as indicated by Station Procedure 3.M.4-7.

This event did not impact the health and safety of the public.

A search of records indicates no previous occurrences of a similar nature.

