POOR ORIGINAL

NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | LICENSEE CODE: P A B V S 1 (2) | LICENSE NUMBER: 0 0 - 0 0 0 0 0 - 0 0 (3) | LICENSE TYPE: 4 1 1 1 1 (4) | CAT (5)

CON'T 01 | REPORT SOURCE: L (6) | DOCKET NUMBER: 0 5 0 0 0 3 3 4 (7) | EVENT DATE: 0 9 1 7 8 0 (8) | REPORT DATE: 1 0 1 7 8 0 (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During testing of the 1C High Head Charging Pump, the bearing temperatures began
03 increasing; the pump was, therefore, shut down. Investigation revealed that two
04 check valves on the river water supply to the oil coolers were installed backward.
05 The valves were repositioned and the pump was tested successfully. The plant was in
06 a shutdown condition and the boric acid supply and Low Head Safety Injection pumps
07 were available. There were no consequences of this event.
08

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
09	W B (11)	A (12)	C (13)	V A L V E X (14)	C (15)	A (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 0	—	0 6 8	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	Z (25)	Z 9 9 9 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 Personnel error in that maintenance personnel did not install the valves properly.
11 The valves have been repositioned. This matter has been investigated. All similar
12 check valves that have been worked on were checked for proper installation and this
13 matter is considered closed.
14

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
15	H (28)	0 0 0 (29)	Design modification outage	B (31)	Operator observation

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
16	Z (33)	Z (34)	N/A	N/A

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
17	0 0 0 (37)	Z (38)	N/A

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
18	0 0 0 (40)	N/A

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
19	Z (42)	N/A

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
20	N (44)	N/A	

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Attachment To LER 80-68/03L
Beaver Valley Power Station
Duquesne Light Company
Docket No. 50-334

At 1637 hours on September 17, 1980 while performing a test on the "C" Charging Pump [CH-P-1C], it was noted that the bearing temperatures were increasing and the pump was shut down. Subsequent investigation revealed that two check valves [RW-158] and [RW-159] on the "B" and "A" River Water headers supply lines to the charging pumps oil coolers were installed backward. The "B" header check valve [RW-158] was repositioned correctly and [CH-P-1C] was tested successfully and declared operable at 0100 hours on September 18, 1980. [RW-159] was repositioned at a later date because the "A" river water header was out of service at the time and not needed.

The plant was in a shutdown condition and the Boric Acid Supply and Low Head Safety Injection Pumps were available to provide Reactor Coolant System makeup. Therefore, the health and safety of the public was not endangered.

The problem of mispositioned check valves started in April of 1980 (see LER 80-027) when the valves were removed for inspection. The valve internals were deficient so the valve bodies were returned to the system to restore system integrity with no concern for orientation nor any consequences therefrom. When new valves were obtained, they were installed in place of the old valve bodies with particular attention to orienting the valves the same way as the bodies which were removed. It just so happened, the old bodies were installed backwards. In the future, operating personnel will assist maintenance in determining check valve orientation when re-installing valves into systems.