NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

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

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0 1	REPORT SOURCE	L (6)	0 5 0 0 0 3 3 4 (7)	1 0 1 7 8 1 (8)	1 1 1 7 8 1 (9)
			DOCKET NUMBER	EVENT DATE	REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 On 10/17/81 during the performance of the No. 1 Battery Quarterly Surveillance

0 3 Test, Cell Nos. 6 and 55 indicated a voltage decrease of more than 0.05 from their

0 4 original acceptance test value. (Tech. Spec. Surveillance Requirement 4.8.2.3.2.b.1)

0 5 The cells were disconnected from the 60 cell battery as required by Tech. Spec.

0 6 3.8.2.3. Overall battery voltage as measured remained above the Tech. Spec.

0 7 required minimum value. Public health and safety was not jeopardized.

0 8

0 9	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
	E C (11)	E (12)	A (13)	B A T T R Y (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 1	—	0 9 3	/	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)	X (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	A (25)	G 1 9 5 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Since the preoperational test completion on 10/24/75, cell Nos. 6 and 55 were re-

1 1 placed on 2/11/80. Due to high initial installed cell voltages, observed voltage

1 2 drops have occurred due to a slow equalization with the other 58 battery cells.

1 3 This does not appear to be due to cell deterioration. An engineering re-evaluation

1 4 of battery replacement cell requirements has been requested.

1 5	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
	F (28)	0 6 0 (29)	N/A	B (31)	Performing Surveillance Procedure

1 6	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
	Z (33)	Z (34)	N/A	N/A

PERSONNEL EXPOSURES

1 7	NUMBER	TYPE	DESCRIPTION (39)
	0 0 0 (37)	Z (38)	N/A

PERSONNEL INJURIES

1 8	NUMBER	DESCRIPTION (41)
	0 0 0 (40)	N/A

LOSS OF OR DAMAGE TO FACILITY (43)

1 9	TYPE	DESCRIPTION
	Z (42)	N/A

PUBLICITY

2 0	ISSUED	DESCRIPTION (45)	NRC USE ONLY
	N (44)	N/A	

8112010535 811117
PDR ADOCK 05000334
S PDR

NAME OF PREPARER: S. Lacey PHONE: 412-643-8525

Attachment to LER 81-93/03L
Beaver Valley Power Station
Duquesne Light Company
Docket No. 50-334

On 10/17/81 at 1400 hours duri ; the performance of the No. 1 Battery Quarterly Surveillance Test, Cell Nos. 6 and 55 indicated a voltage decrease of more than 0.05 volts from their original acceptace test value, (Technical Specification Surveillance Requirement 4.8.2.3.2.b.1). The cells were disconnected from the 60 cell No. 1 battery as required by Tech. Spec. 3.8.2.3. The overall battery voltage for the remaining 58 cells was then measured above the Tech. Spec. required minimum value.

Since the incident, a review of the past quarterly battery surveillance tests was made. The results of the review revealed that the voltage drops for these two cells had actually exceeded the Tech. Spec. surveillance value in February, 1981. A data sheet error between procedure revisions caused this to go undetected, however, until the 10/17/81 procedure performance. The surveillance procedure has been corrected.

A further review of the No. 1 Battery past maintenance history has shown that the current Cell Nos. 6 and 55 were replacements for original battery cells. Since their installation in February of 1980, their cell voltages have been in excess of the other 58 cells of the No. 1 Battery. This excess, however, has shown a gradual decrease with each successive quarterly surveillance test as the cells have been slowly equalizing with the other 58 cells. This does not appear to be an indication of cell deterioration which Tech. Spec. Surveillance Requirement 4.8.2.3.2.b.1 was intended to detect.

An engineering re-evaluation of battery replacement cell requirements has been requested. The results of this evaluation will be reported in a follow-up LER. In the interim, the two affected cells will remain disconnected. This is the fourth incident of an individual battery cell problem.