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)
BEAVER VALLEY, UNIT I	0 5 0 0 0 3 3 4	1 OF 0 2

TITLE (4)

SEISMIC MONITOR INOPERABLE MORE THAN 30 DAYS

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 5 0 0 0
1 0	2 7	8 4	8 4	— 0 1 6	— 0 0	1 2	2 0	8 4		0 5 0 0 0

OPERATING MODE (9)	5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	0 0 0	20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	X 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
	AREA CODE
ROBERT J. DRUGA, Manager Technical Services	4 1 2 — 6 4 3 - 5 3 0 8

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	
X	I N	M O N	T 1 3 9	N							

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	XX NO				

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

The unit was in operational Mode 5 during a scheduled refueling shutdown. During the performance of a refueling frequency test, metal filings were found in one (1) of the seismic sensors. The filings could not be cleaned out enough for reuse, so a spare sensor was obtained from the storeroom. It was found that the spare sensor had a sensitivity range of ±2g rather than the ±1g required by Beaver Valley Technical Specification (Tech. Spec.) 3.3.3.3. The sensor was returned to the vendor to be reworked.

When the transmitter did not return from the vendor within the requested ninety (90) days, the report date was not flagged. Therefore this submittal of a late report. Personnel involved in the reporting have been counseled on the necessity for thorough and timely reporting.

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
BEAVER VALLEY, UNIT I	0 5 0 0 0 3 3 4	8 4	— 0 1 6	— 0 0	0 2 OF 0 2

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

Beaver Valley had been operating in operational Mode 5 during a scheduled refueling outage. On October 27, 1984, Maintenance Surveillance Procedure (MSP) 45.04, "Peak Recording Accelerometer Calibration," was being performed. During the test metal filings were found in the seismic sensor located on top of the Recirculation Spray Cooler. The filings could not be cleaned out enough for reuse of the sensor so a spare sensor was obtained from spare parts. It was found, however, that the sensitivity range of the spare was rated at ±2g as opposed to the ±1g as required by Beaver Valley Tech. Specs. The vendor was notified and recommended that the spare sensor be returned in order to be reworked for a rating of ±1g.

During the first part of December the reworked sensor had not yet been returned to Beaver Valley. On December 8, 1984, a similar sensor located at the Primary Plant Component Cooling Water (CCW) Heat Exchanger, which was to be retubed, was removed and placed on the Recirculation Spray Heat Exchanger. On December 14, 1984, the recalibrated sensor was received back at the station and is currently scheduled to be placed at the Primary Plant CCW Heat Exchanger as soon as the retubing is complete.

The cause of the sensor failure was due to the metal filings. However, it is presently unknown where the filings had originated from. The delay in the sensor's return from the vendor was abnormal. Delays at the vendor and return delivery delays contributed to the sensor being out at the vendor for more than thirty (30) days. Human error was the cause of missing the reporting requirement because of the dependence on vendor deliveries which are normally reliable.

There were no safety implications due to the incident. The health and safety of plant personnel and the general public were not jeopardized at any time. No seismic events occurred during the period that the sensor was not operable and all remaining sensors remained operable throughout the entire time.

Duquesne Light

Nuclear Division
P. O. Box 4
Shippingport, PA 15077-0004

Telephone (412) 393-6000

December 28, 1984
NDISS1:2309

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
LER 84-016

Dr. Thomas E. Murley
Regional Administrator
United States Nuclear Regulatory Commission
Region I
Park Avenue
King of Prussia, Pennsylvania 19046

Gentlemen:

In accordance with Appendix A, Beaver Valley Technical Specifications, the following Licensee Event Report is submitted:

LER 84-016, information report on "Seismic Instrumentation," related to Technical Specification 3.3.3.3.

Very truly yours,

Wm. S. Lacey
Plant Manager

WSL:mh

Attachment

IE22
1/1

cc: Director of Management & Program Analysis
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Washington, D.C. 20555

C. A. Roteck, Ohio Edison

Director, Office of Inspection and Enforcement Headquarters
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