

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Beaver Valley Power Station, Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 3 4	PAGE (3) 1 OF 0 2
--	--------------------------------------	----------------------

TITLE (4)

Inoperable Hydraulic Snubbers

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)										
1	1	3	0	8	4	8	5	-	0	0	7	-	0	0						
									N/A	0 5 0 0 0										
									N/A	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)		50.38(c)(1)		50.73(a)(2)(v)		73.71(c)								
	20.405(a)(1)(ii)		50.38(c)(2)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)								
	20.405(a)(1)(iii)	X	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)(ix)										

LICENSEE CONTACT FOR THIS LER (12)		TELEPHONE NUMBER	
NAME	AREA CODE		
Robert J. Druga, Manager of 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 NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	
B	S	F	S	N	B	I	2	0	7	X	
B	S	F	S	N	B	I	2	0	7		

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input type="checkbox"/> NO				

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

The Station was in cold shutdown for the Fourth Refueling Outage. During a QC inspection of hydraulic snubbers, the oil reservoirs to four snubbers were positioned such that it could not be verified that positive fluid head to the snubber seals existed. Subsequent testing of the snubbers according to Technical Specification 4.7.12.b indicated two of the four snubbers were inoperable. The snubbers are located at two places in the Low Head Safety Injection piping: one at the Charging Pump Suction from the LHSI pump discharge and the other at the C loop LHSI cold leg injection line. The BVPS Final Safety Analysis Report (FSAR) has analyzed for a loss of the Low Head injection piping. Further review determined the SI system to have been in a degraded condition due to an installation deficiency. A report is being submitted to the NRC according to 10 CFR 50.73 (a) (2)(i)(B). This condition has been recognized and corrected by replacing the snubbers and installing the new ones with correct orientation.

8506200498 850524
PDR ADOCK 05000334
S PDR

IE22

1/1

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Beaver Valley Power Station, Unit 1	0 5 0 0 0 3 3 4 8 5	—	0 0 7	—	0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 365A's) (17)

The station was in cold shutdown for the Fourth Refueling Outage. During a QC inspection of hydraulic snubbers, it was discovered that the oil reservoirs to four snubbers were positioned such that they were not located above the snubber valve block, which would ensure gravity feed to the snubber seals. This criterion was developed by the Maintenance and QC groups during the Third Refueling Outage to assure compliance with the manufacturers guidelines of establishing a positive fluid head to the snubber seals. This criterion was not available during original installation. Since such a head was not certain for these snubbers they were declared rejectable in accordance with the In-Service Inspection Program, Section 5.0 and 8.0. The snubbers were then functionally tested in accordance with Technical Specification 4.7.12.b. Two of the snubbers, SI-HSS-420 and SI-PSSP-33A exhibited no lockup and were declared inoperable.

Snubber SI-HSS-420 is located on the "C" loop LHSI cold leg injection line. Snubber SI-PSSP-33A is located on the charging pump suction line from the B Low Head SI-Pump discharge upstream of isolation valve MOV-SI-863B. An engineering analysis performed after the event concluded that the snubbers would not have actuated during a seismic event. Further review determined that this failure of a support system rendered the LHSI system inoperable according to Technical Specification 3.5.2. Since operability was indeterminate, the Plant Safety Injection operated in a degraded mode and a report is being submitted under 10 CFR 50.73 (A)(2)(i) operation in violation of plants Technical Specifications. The failure of the two snubbers reported would have resulted in the loss of one train of LHSI flow, while the other train injected into only two loops. Such a situation is analyzed in the BVPS Unit I Final Safety Analysis Report (FSAR) Section 6.3.3.4, which provides for a loss of any portion of a LHSI pumps discharge piping in addition to an active failure.

The cause of the snubber inoperability, improper alignment of the reservoir, had been identified during the Third Refueling Outage and corrected. As the snubbers noted in the recent inspection were the only examples of a previously recognized problem the testing requirement of Technical Specification 4.7.12.c is not considered applicable.

This report is being submitted late because some ambiguity existed as to the reportability of a non-service related snubber failure in contrast to a service-related failure. It was believed that these SI snubber failures, which were attributed to "orientation deficiencies" were not reportable. However, at the same time the decision was made, the Plant Manager requested an engineering analysis and a QC generated incident report. On the basis of these documents, a re-evaluation of the situation was performed and it was concluded the snubbers inoperability was reportable.



Duquesne Light

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

Telephone (412) 393-6000

May 24, 1985
ND1SS1:2449

Beaver Valley Power Station, Unit 1
Docket No. 50-334, License No. DPR-66
LER 85-007

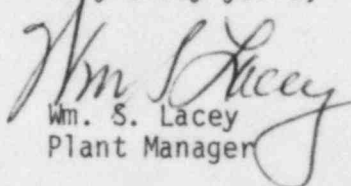
Dr. Thomas E. Murley
Regional Administrator
United States Nuclear Regulatory Commission
Region I
Park Avenue
King of Prussia, PA 19046

Gentlemen:

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

LER 85-007, 10 CFR 50.73.a.2.i, "Operation Prohibited By Technical Specifications".

Very truly yours,


Wm. S. Lacey
Plant Manager

md

Attachment

T. E. Murley
May 24, 1985
NDISS1:2449
Page two

cc; Director of Management & Program Analysis
United States Nuclear Regulatory Commission
Washington, D.C. 20555

C. A. Roteck, Ohio Edison

Director, Office of Inspection and Enforcement Headquarters
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Peter Tam, BVPS Licensing Project Manager
United States Nuclear Regulatory Commission
Washington, D.C. 20555

W. R. Troskoski, Nuclear Regulatory Commission, BVPS Site Inspector, BV-A

Mr. Alex Timme, CAPCO Nuclear Projects Coordinator, Toledo Edison

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, GA 30339

G. E. Muckle, Factory Mutual Engineering, Pittsburgh

Mr. J. A. Triggiani, Operating Plant Projects Manager
Mid Atlantic Area
Westinghouse Electric Corporation
Nuclear Services Integration Division
Box 2728
Pittsburgh, PA 15230

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
The Exchange Suite
270 Farmington Avenue
Farmington, CN 06032