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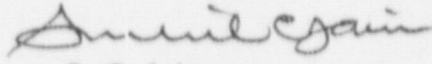
February 10, 1998
L-98-030

Beaver Valley Power Station, Unit No. 2
Docket No. 50-412 License No. NPF-73
LER 98-001-00

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

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

LER 98-001-00, 10 CFR 50.73(a)(2)(i), "Failure to Perform Surveillance Testing of Containment Isolation Spring Loaded Check Valve as Required by Technical Specification 4.6.3.1.2.e."

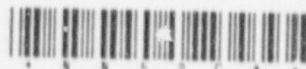

S. C. Jain

JEH/ds

Attachment

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February 10, 1998

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ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST 50 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNB 774), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

FACILITY NAME (1) Beaver Valley Power Station Unit 2	DOCKET NUMBER (2) 05000412	PAGE (3) 1 OF 3
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Failure to Perform Surveillance Testing of Containment Isolation Spring Loaded Check Valve as Required by Tech Spec 4.6.3.1.2.e

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 NAME	DOCKET NUMBER
01	12	98	98	001	00	02	11	98		

OPERATING MODE (9) 5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more) (11)									
POWER LEVEL (10) 000	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)		OTHER			
	20.405(a)(1)(iii)		X 50.73(a)(2)(k)		50.73(a)(2)(viii)(A)		Specify in Abstract			
	20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)		before and in Test			
20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(x)		NRC Form 366A				

LICENSEE CONTACT FOR THIS LER (12) R. D. Hart, Senior Licensing Supervisor	TELEPHONE NUMBER (include Area Code) (412) 393-5284
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC			COMPONENT	MANUFACTURER	REPORTABLE TO NRC
N/A									

SUPPLEMENTAL REPORT EXPECTED (14)				EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR
YES (if you complete EXPECTED SUBMISSION DATE)				X NO				

ABSTRACT (Limited to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On January 12, 1998 at 1330 hours, with Unit 2 in Mode 5, an ongoing Technical Specification (TS) Surveillance Review identified that Containment Isolation Spring Loaded Check Valve (CISLCV) 2CVS-93 was not being tested in accordance with the requirements of Unit 2 TS 4.6.3.1.2.e. This TS requires that each weight or spring loaded containment isolation valve be demonstrated operable during the cold shutdown or refueling mode at least once per 18 months by cycling each valve through one complete cycle of full travel and verifying that each check valve remains closed when the differential pressure in the direction of flow is less than 1.2 psid and opens when the differential pressure in the direction of flow is greater than or equal to 1.2 psid but less than 6.0 psid. Contrary to this requirement, CISLCV 2CVS-93, Containment Radiation Monitor Discharge Check Valve, was not included in the Containment Isolation Check Valve Test Program and consequently not tested. Failure to perform a Surveillance Requirement in the TS is a condition prohibited by TS and is thus reportable pursuant to the requirements of 10 CFR 50.73(a)(2)(i). There were no automatically or manually initiated safety system responses as a result of this event.

The apparent cause of this event was the fact that CISLCV 2CVS-93 was not uniquely identified on controlled prints, the controlled Master Equipment List, or in the UFSAR. This appears to be the main reason that CISLCV 2CVS-93 was not included in Containment Isolation Valve Surveillance Test (ST) 2BVT 1.47.3. Additionally, the Unit 2 preoperational test procedures, upon which the development of ST 2BVT 1.47.3 was based, did not identify this valve as a spring loaded check valve.

As completed corrective actions: (1) CISLCV 2CVS-93 was successfully tested on 01/16/98 in accordance with TS 4.6.3.1.2.e; (2) ST 2BVT 1.47.3 was revised to include testing of CISLCV 2CVS-93 on 01/15/98; (3) penetrations listed in the respective unit Licensing Requirements Manual 'Containment Penetrations' Tables and UFSAR 'Containment Isolation Arrangements' Tables were reviewed to verify that all applicable Containment Isolation Weight and Spring Loaded Check Valves are identified and tested per Surveillance Tests. This was completed on 01/19/98. As a future corrective action, controlled prints and the controlled Master Equipment List will be changed, and a UFSAR change request will be prepared, to identify all Containment Isolation Check Valves as either 'weight loaded' or 'spring loaded'.

The safety implications of this event are minimal, as CISLCV 2CVS-93 tested satisfactorily.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Beaver Valley Power Station Unit 2	05000412	98	001	00	2 OF 3

TEXT (if more space is required, use additional copies of NRC Form 366A) (17)

PLANT AND SYSTEM IDENTIFICATION

Westinghouse Pressurized Water Reactor (PWR)

Containment Isolation Control System/Isolation Valve {JM/ISV}*

* Energy Industry Identification System (EIIS), system and component function identifier codes appear in the text as {S/CC}.

CONDITIONS PRIOR TO OCCURRENCE

Unit 2: Mode 5, 0 percent Reactor Power

IDENTIFICATION OF OCCURRENCE

Discovery Date: January 12, 1998

Event Date: This event has existed since Unit 2 startup.

DESCRIPTION OF EVENT

On January 12, 1998 at 1330 hours, a Technical Specification (TS) Surveillance Review (SR) team composed of Management and System Engineering representatives identified that Containment Isolation Spring Loaded Check Valve (CISLCV) 2CVS-93 {JM/ISV} was not being tested in accordance with the requirements of Unit 2 TS 4.6.3.1.2.e. This TS requires that each weight or spring loaded containment isolation valve be demonstrated operable during the cold shutdown or refueling mode at least once per 18 months by cycling each valve through one complete cycle of full travel and verifying that each check valve remains closed when the differential pressure in the direction of flow is less than 1.2 psid and opens when the differential pressure in the direction of flow is greater than or equal to 1.2 psid but less than 6.0 psid. Contrary to this requirement, CISLCV 2CVS-93, Containment Radiation Monitor Discharge Check Valve, was not included in the Containment Isolation Check Valve Test Program and consequently not tested. Further review has revealed that this condition has existed since Unit 2 startup.

Upon discovery, Condition Report Number 980050 was initiated to document the event.

This has been determined to not be applicable to Unit 1.

There were no automatically or manually initiated safety system responses as a result of this event.

REPORTABILITY

TS 4.6.3.1.2.e requires that each weight or spring loaded containment isolation valve be demonstrated operable during the cold shutdown or refueling mode at least once per 18 months by cycling each valve through one complete cycle of full travel and verifying that each check valve remains closed when the differential pressure in the direction of flow is less than 1.2 psid and opens when the differential pressure in the direction of flow is greater than or equal to 1.2 psid but less than 6.0 psid. Contrary to the requirement, CISLCV 2CVS-93, Containment Radiation Monitor Discharge Check Valve, was not included in the Containment Isolation Check Valve Test Program and consequently not tested. Failure to perform a Surveillance Requirement in the TS is a condition prohibited by TS and is thus reportable pursuant to the requirements of 10 CFR 50.73(a)(2)(i).

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
Beaver Valley Power Station Unit 2	05000412	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	3 OF 3
		98	001	00	

TEXT (if more space is required, use additional copies of NRC Form 366A) (17)

CAUSE

The apparent cause of this event was the fact that CISLCV 2CVS-93 was not uniquely identified on controlled prints, the controlled Master Equipment List, or in the UFSAR. This appears to be the main reason that CISLCV 2CVS-93 was not included in Containment Isolation Valve Surveillance Test 2BVT 1.47.3. There was only one spring loaded check valve on Unit 2, and this wasn't tested because Surveillance Test 2BVT 1.47.3 only tested weight loaded check valves. Additionally, the Unit 2 preoperational test procedures, upon which the development of Surveillance Test 2BVT 1.47.3 was based, did not identify this valve as a spring loaded check valve.

CORRECTIVE ACTIONS

COMPLETED:

1. CISLCV 2CVS-93 was successfully tested on January 16, 1998 in accordance with the requirements of TS 4.6.3.1.2.e.
2. Containment Isolation Check Valve Surveillance Test 2BVT 1.47.3 was revised to include testing of CISLCV 2CVS-93 on January 15, 1998.
3. Penetrations listed in the respective unit Licensing Requirements Manual 'Containment Penetrations' Tables and UFSAR 'Containment Isolation Arrangements' Tables were reviewed to verify that all applicable Containment Isolation Weight and Spring Loaded Check Valves are identified and tested per STs. This was completed on January 19, 1998.

FUTURE:

4. Controlled prints and the controlled Master Equipment List will be changed, and a UFSAR change request will be prepared, to identify all Containment Isolation Check Valves as either 'weight loaded' or 'spring loaded'. This will be completed by March 20, 1998.

SAFETY IMPLICATIONS

The safety implications of this event are minimal, as CISLCV 2CVS-93 tested satisfactorily.

PREVIOUS SIMILAR EVENTS

A review of LERs for the past two years reviewed the following similar event:

1. LER 1-97-019-00, "Containment Penetration Check Valves Not in Accordance with the Design Basis", dated August 11, 1997.