

LICENSEE EVENT REPORT (LER)

Facility Name (1) Zion Nuclear Station, Unit 1										Docket Number (2) 0 5 0 0 0 2 9 5					Page (3) 1 of 0 2		
Title (4) Missed ASME code class piping for the 10 year In Service Inspection Hydrostatic Tests																	
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 0	1 5	8 5	8 5	0 3 8	0 1	1 1	2 6	8 5	Zion Station				0 5 0 0 0 2 9 5				
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10CFR (Check one or more of the following) (11)														
POWER LEVEL (10) 1 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)				Other (Specify in Abstract below and in Text)				
			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 Jeffrey B. Tredway, In Service Inspection Engineer										TELEPHONE NUMBER AREA CODE 3 1 2 7 4 6 - 2 0 8 4							
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																	
CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC-TURER	REPORTABLE TO NPRDS								
A																	
SUPPLEMENTAL REPORT EXPECTED (14)										Expected Submission Date (15)							
Yes (If yes, complete EXPECTED SUBMISSION DATE)										X NO							
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																	

During a review of Zion Station's Unit 1 completed 10 year In Service Inspection (ISI) Hydrostatic Test packages at approximately 14:30 on October 15, 1985, it was discovered that a portion of Unit 1's component cooling ASME Class III piping was not tested by any 10 year hydrostatic test. ASME Section XI 1974 Edition, summer of 1975 Addenda requires that ASME code piping be subjected to hydrostatic pressure testing each inspection interval. Technical Specification 4.3.4.B requires compliance with ASME code Section XI.

The root cause of this failure to comply with the ASME Section XI Requirement was a personnel error.

A review of the event was made which found no significant safety consequences.

The person involved in this isolated error was informed about the misprint that had occurred. A review of Unit 1's hydrostatic test packages and master set of piping diagrams is being made to ensure that recording of the hydro tests was properly done. No other corrective action is required.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION													
FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)						Page (3)					
		Year	///	Sequential Number	///	Revision Number							
Zion, Unit 1	0 5 0 0 0 2 9 5	8 5	-	0 3 8	-	0 1	0 2	OF	0 2				
TEXT													

While reviewing a portion of Unit 1's completed 10 year In Service Inspection (ISI) Hydrostatic Test packages on October 15, 1985 with Unit 1 at 100% power, it was discovered that a portion of the ASME Class III Piping of the component cooling system was not hydrostatically tested as required by ASME Section XI 1974 Edition, Summer 1975 Addenda. Technical Specification 4.3.4.B requires compliance with ASME code Section XI.

The cause of this event was a personnel error. The Inservice Inspection (ISI) engineer at the time of the error was responsible for maintaining the Unit 1 ISI ten year hydrostatic test file. Part of his responsibilities was to maintain and update the master set of piping diagrams. This master set of piping diagrams contains the ASME Code piping which is required to be hydrostatically tested. The purpose of the master set of piping diagrams is to verify that the hydrostatic tests are performed on the ASME Code piping by the end of the first inspection interval. The piping that is tested under each hydrostatic test is recorded in the master set of piping diagrams by color coding (highlighting) the piping that was tested. The portion of piping that was not tested was inadvertently highlighted by extending one of the hydro tests beyond its actual test boundary. As a result, the portion of piping that was not tested was recorded as being tested in the master set of piping diagrams. This section of piping that was not tested is approximately a two foot long section located between motor operated valve (MOV) 1MOV9414 and check valve 1CC-9508. It was only later (the event date) during a review of this hydrostatic test procedure for similar piping on Unit 2 that this piping was discovered as not actually being tested.

A review was made of the safety significance of this event. The two separate hydro tests (TSS 15.6.96. 23-1 and TSS 15.6.96. 42) which cover the same system as the missed section of piping were successfully performed. Since the section of missed piping is of the same material and is subjected to the same operating conditions as the successfully hydro tested piping, this gives a good indication that the missed section of piping, located between these two test boundaries, is likely to be in the same condition as the piping that was successfully tested. Furthermore, a visual inspection was done on the missed section of piping at its nominal operating condition. The piping was found in good condition with no leakage. As a result, no significant safety consequences were found.

The person involved in this error was informed about the misprint. A review of Unit 1's hydrostatic test packages and master set of piping diagrams is being made to ensure that recording of the hydrostatic tests were properly done. The station has reviewed the hydrostatic test recording program and has concluded that the recording process of completed hydrostatic tests is sufficient and thorough. A hydrostatic test will be performed during the Unit 1 1986 refueling outage to cover the section of missed piping. No other incidents of this type have occurred during the current inspection interval. Therefore, the portion of missed piping that was incorrectly marked is believed to be an isolated case. No further corrective action is required.



Commonwealth Edison

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Telephone 312/746-2084

November 26, 1985

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

References: 10CFR50

Dear Sir:

The enclosed revised Licensee Event Report (LER) from Zion Generating Station is being transmitted to you to add information about the corrective action which was omitted from the original.

This report number is 85-038-01, Docket number 50-295/DPR-39.

Very truly yours,

J. A. Pliml

for G. J. Pliml
Station Manager
Zion Generating Station

GJP/gn

Enclosure: Licensee Event Report No. 85-038-01

Attachment

cc: J. G. Keppler, NRC Region III Administrator
M. Holzmer, NRC Resident Inspector
INPO Record Center
CECo Distribution List

IE12
1/1