

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

3	9	1	L	L	S	C	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	0	0	0	4	5
LICENSEE CODE							LICENSE NUMBER										LICENSE TYPE					CAT 58					
REPORT SOURCE		DOCKET NUMBER										EVENT DATE					REPORT DATE										

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

On November 18, 1982 at 0430 hrs. after starting RWCU "B" pump a steam and water leak was discovered on the RWCU "B" Regenerative Heat Exchanger shell side relief line (2RT89AB-1½") to Heat Exchanger socket weld junction. All leakage was contained within the RWCU "B" Regenerative Heat Exchanger Room. Safe operation of the plant was maintained at all times.

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE		COMP. SUBCODE		VALVE SUBCODE							
C	G	A	X	P	I	P	E	E	X	A	Z						
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.									
8	2	1	5	3	0	3	X	1									
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
B	X	Z	Z	0	0	0	0	Y	N	Z	Z	9	9	9			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

The exact mode of failure could not be determined only postulated. Work Request L20566 was generated to replace the defective section of piping on line 1RT89AB-1½". After investigation on the "A" RWCU Regen. Heat Exchanger it was concluded that this failure was unique.

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
B	0	2	8	NA	C	OBSERVATION			
ACTIVITY CONTENT		AMOUNT OF ACTIVITY		LOCATION OF RELEASE					
Z	Z	NA	NA						
PERSONNEL EXPOSURES		DESCRIPTION		NA					
0	0	0	Z						
PERSONNEL INJURIES		DESCRIPTION		NA					
0	0	0							
LOSS OF OR DAMAGE TO FACILITY		DESCRIPTION		NA					
Z									

8302250313 830209
PDR ADOCK 05000373
PDR

NRC USE ONLY

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- I. LER NUMBER 82-153/03L-0
- II. LASALLE COUNTY STATION: Unit 1
- III. DOCKET NUMBER: 050-373
- IV. EVENT DESCRIPTION:

On November 18, 1982 at 0430 hrs. operations attempted to run reactor water cleanup "B" pump. As the pump came up to speed the "B" Regenerative Heat Exchanger Train shell side relief valve 1G33-F340B cycled creating a loud banging noise. Reactor Water Cleanup "B" Pump was immediately shutdown. When operations entered the "B" Reactor Water Cleanup Heat Exchanger Room to verify correct valving and to investigate a control room alarm of "B" Heat Exchanger Room High Diff. Temp., a steam leak was observed from the top regenerative heat exchanger shell side relief line (1RT89AB-1½") to Heat Exchanger socket weld junction.

V. PROBABLE CONSEQUENCES:

At the time of the occurrence LaSalle Unit 1 was in operational condition 1, Run Mode, at 300 MWE. The health and safety of the public was not affected since all steam and water leakage was controlled and contained within the Reactor Water Cleanup "B" Heat Exchanger Room. Safe operation of the plant was maintained at all times.

VI. CAUSE:

The exact mode of failure for the Reactor Water Cleanup Regenerative Heat Exchanger shell side relief line 1RT89AB-1½" could not be determined. The failure is postulated to have occurred due to the following:

1. Not following proper preheating technique on line during initial welding.
2. Induced thermal shock on heat exchanger during fast heatup.
3. Plant personnel stepping on line during valving, inspection, instrument calibration and general access.
4. By combination(s) of the above.

VII. CORRECTIVE ACTION:

Reactor Water Cleanup System was isolated with both "A" & "B" Regenerative Heat Exchanger Trains valved out of service. The Station Control Room Engineer requested Reactor Water chemistry samples from RCT per Technical Specification 4.4.4.C. Work Request #L20566 was generated to replace defective section of piping on line 1RT89AB-1½" at the regenerative heat exchanger shell penetration. Work was completed on 11/25/82 per ASME Section XI IWA-4130 and by Special Process Procedures WPS 1-1-A, Rev. 1, dated 8/27/81 and WPS 1-8-B, Rev. 1, dated 8/14/81. LaSalle Quality Control was assigned AIR 01-82-583 to perform a dye

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penetrant test on the "A" Regenerative Heat Exchanger shell side relief line 1RT89AB-1½".

The results verified that no detectable defects exist in line 1RT89AA-1½" and that the failure observed on line 1RT89AB-1½" was unique.

Prepared by: D. Winterhoff