

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

9 LICENSEE CODE 14 15 0 0 0 - 0 0 0 0 0 0 - 0 0 0 3 4 1 0 0 0 4 57 CAT 58 5

REPORT SOURCE L 6 0 5 0 0 0 3 7 3 7 0 2 0 9 8 3 9 0 3 0 3 8 3 9

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

## EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

During inspection of main steam drain line piping, mechanical restraint MS20-1012X found installed on line 1MS20BA-1½" in violation of plant design. Hanger had been voided by previous design changes but never removed. Analysis revealed unacceptable usage factors were imposed on some piping nodes, however only failure of welds was at a point not exceeding usage factor. Weld failure was determined in a configuration other than caused by restraint. No release of radioactivity occurred. Plant maintained in safe condition at all times. Health and safety of public not affected.

SYSTEM CODE C C 11		CAUSE CODE A 12		CAUSE SUBCODE E 13		COMPONENT CODE S U P P O R T 14		COMP. SUBCODE B 15		VALVE SUBCODE Z 16	
LER/RO REPORT NUMBER 8 3 17		EVENT YEAR 8 3 21 22		SEQUENTIAL REPORT NO. 0 1 0 24 25		OCCURRENCE CODE 0 3 28 29		REPORT TYPE L 30		REVISION NO. 0 32	
ACTION TAKEN X 18		FUTURE ACTION X 19		EFFECT ON PLANT Z 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22		ATTACHMENT SUBMITTED Y 23	
NPRD-4 FORM SUB. N 24		PRIME COMP. SUPPLIER Z 25		COMPONENT MANUFACTURER Z 9 9 9 9 26							

## CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

0 Restraint installed to advanced design drawing issuance. At time of final design approval, configuration was revised. Furthermore, design was voided prior to removal from plant. 1 Due to different configuration, installation was not removed per design due to personnel oversight. 2 Restraint was removed and all potentially overstressed welds & piping replaced 3 prior to startup.

FACILITY STATUS		% POWER			OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
5	B	28	0	0	0	29	NA	C	31	Inspection
ACTIVITY CONTENT		RELEASED OF RELEASE			AMOUNT OF ACTIVITY		LOCATION OF RELEASE			
6	Z	33	Z	34	NA	35	NA	36		
PERSONNEL EXPOSURES		NUMBER		TYPE		DESCRIPTION				
7	0	0	0	37	Z	38	NA			
PERSONNEL INJURIES		NUMBER		DESCRIPTION						
8	0	0	0	40	NA	41				
LOSS OF OR DAMAGE TO FACILITY		TYPE		DESCRIPTION						
9	Z	42	NA	43						
PUBLICITY		ISSUED		DESCRIPTION						
10	N	44	NA	45						
8303140437 830303 PDR ADOCK 05000373 S PDR								NRC USE ONLY		

NAME OF PREPARER D. Spencer

PHONE: (815) 357-6761 \*

- I. LER NUMBER: 83-010/031-0
- II. LASALLE COUNTY STATION: Unit 1
- III. DOCKET NUMBER: 050-373
- IV. EVENT DESCRIPTION:

During inspections of main steam drain line piping, a mechanical restraint (strut) was found installed on line 1MS20BA-1½" in violation of plant design. The strut was identified as MS20-1012X which had been voided by previous design changes but had never been removed from the plant.

V. PROBABLE CONSEQUENCES OF THE OCCURRENCE:

An analysis performed on supported components by Sargent & Lundy revealed that the extra strut may have caused unacceptable usage factors to exist at some piping nodes. However, the only failure of piping in this area was one weld at the point where line 1MS20AA-2" was connected to MSIV 1B21-F028A (reference DVR 1-1-83-16/LER 83-006/031-0). The results of the subsequent failure analysis concluded that this weld did not exceed NRC allowable usage factors and the weld failure was in an axis other than the direction of stress caused by the additional restraint. The plant was maintained in a safe condition at all times and no release of radioactivity occurred. Therefore, the health and safety of the public was not affected.

VI. CAUSE:

The subject restraint was installed to Engineering Change Notice FM-942-LS affecting drawing M09-MS20-1012X. The final approved version B of this drawing illustrated a different design than that which was installed per the ECN. Prior to the original installation being removed, and the final design installed, revision C to the drawing was issued which deleted the restraint altogether. An error resulted when the field went to remove the voided restraint per revision C because they were looking for the final configuration and overlooked the restraint installed per the ECN. In addition, this installation was not noticed by the person performing final linewalk inspections on the system.

VII. CORRECTIVE ACTION:

The restraint was removed per work request L22420. All potentially overstressed welds and piping were replaced under work requests L22453 and L22534. The inspection error during final linewalk is considered an isolated occurrence and no justification exists for any additional corrective action. However, AIR 1-83-47 has been written to provide additional confidence in the correct installation of Unit 2 main steam drain line piping.

Prepared by: D. Spencer