

Attachment to LER 80-037/01-X-0  
Consumers Power Company  
Palisades Plant  
Docket 50-255 - License DPR-20

#### Description

Pipe support sway struts furnished by Corner and Lada, Inc have been found to contain some deficiencies. The specific deficiencies identified involve the potential of the bushing becoming loose and/or disengaged from the clamp end of the sway strut. Under seismic conditions, disengagement of the clamp end from the bushing could overstress the piping system. This problem has been identified at a few nuclear plants already.

By letter dated October 8, 1980, Consumers Power Company was notified by Bechtel Engineering Corporation (Ann Arbor, Michigan) that the sway braces, furnished by Corner and Lada, Inc are potentially deficient.

1. GC1-H-142 LPSI Pump discharge area 2/w engineering safeguards rooms
2. DC2-H-6 SI Recirc to SIRW tank
3. HB-35-H-932 Aux feed pump suction area 6/aux feed pump room
4. GC-11-H-862 Pressurized safety and relief valve piping to quench tank

The sway struts identified were recently installed as part of plant modifications related to IE Bulletin No 79-14 activities and were obtained from Midland Plant stock. Other struts out of the Midland stock have been found to be defective. Bechtel has also indicated that support devices provided by other manufacturers may have a similar defect.

#### Cause of Deviation

There appears to be a generic deficiency in the pipe support sway struts furnished by Corner and Lada, Inc. The specific deficiencies identified involved the bushing becoming loose and/or disengaged from the clamp end of the sway strut.

#### Corrective Action

Since this is a potential problem, and we have not experienced an actual failure to date, immediate action is not required. However, Bechtel Engineering Corporation will proceed in resolving this issue as follows:

1. Review hanger drawings to identify any "potential" sway strut defect condition,
2. Establish criteria and schedule for inspection of these sway struts,
3. Provide a fix, if required.

**LICENSEE EVENT REPORT**

CONTROL BLOCK:										(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)																							
01		M	I	P	A	L	1	200-000000-000		34		11111		4				5															
7		LISEE CODE						LISEE NUMBER						LISEE TYPE						57 CAT 58													
CON'T		REPORT SOURCE		DOCKET NUMBER										EVENT DATE				REPORT DATE															
01		X	6	0	5	0	0	0	2	5	5	7	1	0	0	9	8	0	8	1	0	1	0	8	0	9							
7		8		60										68				74				80											
EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)																																	
02		Pipe support sway struts furnished by Corner and Lada, Inc have been																															
03		identified to have the potential of the bushing becoming loose and/or																															
04		disengaged from the clamp end of the sway strut. This is reportable																															
05		under Palisades Plant Technical Specifications 6.9.2.a.(5).																															
06																																	
07																																	
08																																	
7		80																															
SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE																					
S A 11		B 12		B 13		S U P O R T 14				B 15		Z 16																					
7		8		9		13				19		20																					
LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.																							
17		8 0		0 3 7		0 1		X		0																							
21		22		24		26		28		32																							
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER																	
Z 18 X 19		Z 20		Z 21		0 0 0 0		Y 23		N 24		X 25		X 9 9 9 26																			
33		34		35		36		37		40		41		42		44																	
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)																																	
10		This problem seems to be a manufacturing defect. See attachment for																															
11		additional details.																															
12																																	
13																																	
14																																	
7		80																															
FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION																									
15		R 28		0 9 7 29		N/A		D 31		AE Evaluation																							
7		8		9		12		13		44		45		46		80																	
ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE																											
16		Z 33 Z 34		N/A		N/A																											
7		8		9		44		45		46		80																					
PERSONNEL EXPOSURES		NUMBER		TYPE		DESCRIPTION																											
17		0 0 0 37		Z 38		N/A																											
7		8		9		11		12		13		80																					
PERSONNEL INJURIES		NUMBER		DESCRIPTION																													
18		0 0 0 40		N/A																													
7		8		9		11		12		80																							
LOSS OF OR DAMAGE TO FACILITY		TYPE		DESCRIPTION																													
19		Z 42		N/A																													
7		8		9		10		80																									
PUBLICITY ISSUED		DESCRIPTION																															
20		N 44		N/A																													
7		8		9		10		80																									
NRC USE ONLY																																	