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U.S. Nuclear Regulatory Commission  
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**DOCKET 50-255 - LICENSE DPR-20 - PALISADES PLANT  
SAFETY RELATED PIPING REVERIFICATION PROGRAM - FINAL STATUS  
REPORT**

The Safety Related Piping Reverification Program (SRPRP) was initiated to reverify the seismic design adequacy of large bore (> 2" nominal diameter) piping systems. The scope consists of physical walkdowns of accessible piping and pipe supports, analyses for both piping and supports to current design criteria, and implementation of required modifications.

The purpose of this report is to summarize the results of the program work completed prior to the end of the 1998 refueling outage and to report the completion of the program.

Scope

Phase I of the program consisted of reverification of 18 piping stress packages containing approximately 300 pipe supports. Phase I was completed in October 1992. The results of this portion of the program were transmitted to the NRC in a letter dated October 30, 1992.

Phases IIA and IIB consisted of reverification of 13 piping stress packages containing 271 pipe supports. Phases IIA and IIB were completed in September 1993. The results of this portion of the program were transmitted to the NRC in a letter dated September 30, 1993.

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Phase IIC of the program consisted of 21 piping stress packages containing 755 pipe supports. Walkdowns for the Phase IIC effort were completed during the 1992 refueling outage in October 1992. Analytical work and installation of required modifications were completed as plant conditions permitted. The last modifications required by Phase IIC were completed during the 1995 refueling outage which ended in August, 1995.

Phase IID was the final phase of the SRPRP program consisting of 25 piping stress packages. Six of the Phase IID stress packages, which included 181 pipe supports, were completed during the 1996 refueling outage which ended in December 1996. The results of these six packages were reported in a February 14, 1997, submittal. The remaining 19 stress packages were completed prior to the 1998 refueling outage.


Attachment 1 summarizes the number of SRPRP modifications made for each of the 19 remaining Phase IID stress packages completed in 1998.

### Summary

Reanalysis and the modifications for the SRPRP for all of the large bore safety related piping systems are now complete. This program is therefore considered to be closed.

### SUMMARY OF COMMITMENTS

This letter contains no new commitments and no revisions to existing commitments. In addition, all commitments made related to the SRPRP project have now been completed.

  
Nathan L. Haskell  
Director, Licensing

CC Administrator, Region III, USNRC  
Project Manager, NRR, USNRC  
NRC Resident Inspector - Palisades

Attachment

**ATTACHMENT 1**

**CONSUMERS ENERGY COMPANY  
PALISADES PLANT  
DOCKET 50-255**

**SAFETY RELATED PIPING REVERIFICATION PROGRAM  
FINAL STATUS REPORT**

**List of SRPRP Phase IID Modifications**

Stress Package No.	SC Package No.	Hanger No.	Description of Modification
SP-03323	N/A	See Note 1	N/A
SP-03326	SC-97-008	HC1-H124	Add new 2-way restraint
		HC23-H8	Change from a spring hanger to a rigid deadweight hanger
SP-03328	N/A	See Note 2	N/A
SP-03329	SC-97-010	HC2-H168.1	Remove support entirely
		HC2-R168.2	Change from a lateral only hanger to a 2-way restraint
SP-03330	SC-97-012	HC2-H1A	Change from spring hanger to a 2-way restraint
		HC2-H1.1A	Add new spring hanger
		HC2-H2A	Remove support entirely
		HC2-H2.1A	Add new vertical restraint (gang hanger with HCC136-H2.1)
		HCC136-H2.1	Add new 2-way restraint
SP-03331	SC-97-011	HB26-H1.1	Remove existing deadweight hanger
SP-03332	N/A	See Note 2	N/A
SP-03339	SC-97-013	HB1-H18.1	Remove support entirely
		HB1-H20	Change from deadweight hanger to a 3-way restraint
		HB1-H21	Modify existing 2-way
SP-03347	N/A	See Note 2	N/A
SP-03351	SC-97-009	HC2-H163	Modify existing 2-way restraint
		HC2-H165	Change from a spring hanger to a rigid deadweight hanger
SP-03353	N/A	See Note 2	N/A

**List of SRPRP Phase IID Modifications**

Stress Package No.	SC Package No.	Hanger No.	Description of Modification
SP-03354	N/A	See Note 2	N/A
SP-03355	N/A	See Note 2	N/A
SP-03357	N/A	See Note 2	N/A
SP-03377	N/A	See Note 1	N/A
SP-03381	N/A	See Note 2	N/A
SP-03390	SC-97-004	HC1-H52	Modify existing 2-way restraint
SP-07015	SC-97-046	HB30-H3	Modify existing 6-way anchor type support to a deadweight only type support
		HB30-H4	Add new 2-way restraint
		HB30-H6	Add new 2-way restraint
		HB30-H7	Add new 2-way restraint
		HB30-H8	Add new 2-way restraint (gang hanger with HB30-H4)
		HB30-H10	Add new 2-way restraint (gang hanger with HB30-H6)
		HB30-H11	Add new 2-way restraint (gang hanger with HB30-H7)

Note 1: SP-03323 and 03377 are part of the original SRPRP Phase IID scope. As part of the current Improved Technical Specification Project, these systems will not have to be considered safety-related.

Note 2: This is a SRPRP Phase IID package where no modifications were necessary.