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VPNPD-95-055

June 30, 1995

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U.S. NUCLEAR REGULATORY COMMISSION
Mail Station P1-137
Washington, DC 20555

Gentlemen:

DOCKETS 50-266 AND 50-301
GENERIC LETTER 87-02
SUMMARY REPORT FOR RESOLUTION OF UNRESOLVED SAFETY ISSUE A-46
POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

INTRODUCTION

In Generic Letter (GL) 87-02¹ the NRC Staff set forth the process for resolution of A-46 and encouraged the affected nuclear power plant licensee to participate in a generic program. In Supplement 1 to GL 87-02,² the Staff required a response to include a commitment to the Generic Implementation Procedure (GIP)³ prepared by the Seismic Qualification Utility Group (SQUG), a schedule for the implementation of the GIP, and submission of a report summarizing the results of the USI A-46 program. By letter

- ¹ "Verification Seismic Adequacy of Mechanical and Electrical Equipment in Operating Reactors, Unresolved Safety Issue (USI) A-46 (Generic Letter 87-02)," dated February 19, 1987, U.S. Nuclear Regulatory Commission.
- ² "Supplement No. 1 to Generic Letter (GL) 87-02 that Transmits Supplemental Safety Evaluation Report No. 2 (SSER No. 2) on SQUG Generic Implementation Procedure, Revision 2, As Corrected on February 14, 1992, (GIP-2)," dated May 22, 1992, U.S. Regulatory Commission.
- ³ "Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment," Revision 2, Corrected 2/14/92, Seismic Qualification Utility Group (SQUG).

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to the NRC Staff dated September 21, 1992,⁴ Wisconsin Electric committed to implement the GIP, including the clarifications, interpretations, and exceptions in SSER-2², and to communicate to the NRC Staff any significant or programmatic deviations from the GIP guidance. Wisconsin Electric agreed to submit the results of the USI A-46 evaluation by June 1995.

This letter forwards the results of the USI A-46 evaluation for the Point Beach Nuclear Plant Units 1 and 2. This letter also confirms that no significant or programmatic deviations from the GIP guidance were made during the USI A-46 resolution process.

USI A-46 REPORTS

Section I.2.2.8 of the GIP requires that a plant-specific Summary Report be submitted to the NRC Staff, including a proposed schedule for future modifications and replacements, if appropriate, of those outliers which are yet to be resolved. Further, GIP Section II.9 provides for a Safe Shutdown Equipment List (SSEL) Report, a Relay Evaluation Report, a Seismic Evaluation Report, and a Completion Letter. This letter constitutes the Summary Report. Attachment 1 includes the Seismic Evaluation Report and Attachment 2 includes the Relay Evaluation Report. As permitted in Section II.9.2 of the GIP, the pertinent results from the SSEL Report are included in the attached Seismic Evaluation and Relay Evaluation Reports. As required in Section II.9.5 of the GIP, the Completion Letter will be submitted when all the planned actions for resolution of USI A-46 have been completed.

OUTLIERS

Outliers, defined in the GIP as those items of equipment which do not comply with all of the screening guidelines provided in the GIP, were identified during the seismic and relay reviews. These outliers are described in detail in the attached reports. Each outlier identified during the implementation of the USI A-46 program was evaluated against the current Point Beach licensing and design bases for equipment seismic qualification.

⁴ Wisconsin Electric Letter, VPMPD-92-313, "Response to Generic Letter 87-02, Supplement 1 on SQUG Resolution of USI A-46, Point Beach Nuclear Plant, Units 1 and 2," September 21, 1992.

Seismic Evaluation Outliers

For the resolution of USI A-46, a total of 814 individual plant components were seismically evaluated in accordance with the GIP. Of these, 66 components were identified as outliers for not meeting one or more of the GIP screening guidelines. The attached Seismic Evaluation Report provides a complete description as to why the component is considered an outlier. The following six (6) components of the 66 identified as outliers were determined to deviate from the Point Beach licensing and design basis.

Two (2) Point Beach Unit 1 Cavity Cooling Fan Units (1W-4A and 1W-4B), located in Unit 1 containment, were found unanchored during Unit 1 Refueling Outage 21. These are required to be Seismic Class 1. The units were anchored during the same refueling outage.

Four (4) air operated valves, (2SI-839A, 2SI-839B, 2SI-839C, 2SI-839D) located in Unit 2 containment, were found to need operator supports during Unit 2 Refueling Outage 19. Operator supports were installed during the same Unit 2 refueling outage.

Relay Evaluation Outliers

For the resolution of USI A-46, a total of 1455 relays were identified as "essential" requiring relay specific seismic capacity analysis. Of those relays, 132 were identified as outliers. The attached Relay Evaluation Report provides a complete listing of the relays and why they are considered outliers. Eight (8) of the 132 relays are "low ruggedness" relays, and 124 relays have an unknown seismic capacity. At this point, the 124 relays are considered to be seismically adequate for their application. If the seismic qualification information obtained during the outlier resolution process indicates that the relays have insufficient seismic capacity, the condition will be identified and the significance evaluated in accordance with the appropriate plant procedures.

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The schedule for resolution, future modification or replacement of those outliers which have not yet been resolved is provided in the attached reports.

We would be pleased to answer any questions you may have regarding the results of our USI A-46 study or the enclosed report.

Sincerely,



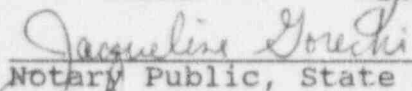
Bob Link
Vice President
Nuclear Power

TJD/jj

Attachments

cc: NRC Resident Inspector
NRC Regional Administrator

Subscribed and sworn to before me
this 30th day of June, 1995.


Notary Public, State of Wisconsin

My Commission expires 10-27-96.