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SORENSEN, G.C.      Washington Public Power Supply System  
RECIP. NAME      RECIPIENT AFFILIATION

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SUBJECT: Forwards proprietary analysis, demonstrating that for facility mixed core, vendor 9X9-9X fuel bundles will not interfere w/control blade insertion during combined seismic & LOCA event. Encl withheld (ref 10CFR2.790(b)).

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May 6, 1991  
G02-91-090

Docket No. 50-397

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Gentlemen:

Subject: NUCLEAR PLANT NO. 2, OPERATING LICENSE NPF-21  
ANSWER TO NRC QUESTION ON SEISMIC/LOCA  
RESPONSE OF 9X9-9X FUEL (TAC No. 77311)

- Reference: 1) Letter, P.L. Eng (NRC) to G.C. Sorensen (SS), "Request for Additional Information Regarding Review of Request for Amendment to the Technical Specifications Regarding Removal of Cycle Specific Parameter Limits (TAC 77311)", dated April 5, 1991
- 2) ANF-89-014(P), "Generic Mechanical Design for Advanced Nuclear Fuels 9X9-IX and 9X9-9X BWR Reload Fuel", May 1989
- 3) ANF-89-014(P), Supplement 1, "Generic Mechanical Design for Advanced Nuclear Fuels 9X9-IX and 9X9-9X BWR Reload Fuel", June 1990

In Reference 1) and in a separate phone conversation among representatives of the NRC, the Supply System and Advanced Nuclear Fuels Corporation (ANF) on April 8, 1991, the Supply System was requested to provide additional information on combined seismic and LOCA response of the 9X9-9X fuel. It is the Supply System's understanding that the NRC plans to issue their Safety Evaluation Reports for References 2) and 3) containing the condition that combined seismic and LOCA analyses for mixed cores be performed on a plant specific basis, and that the results of those analyses be submitted to the NRC. The purpose of this letter is to submit the WNP-2 analysis.

The attachment to this letter contains the WNP-2 plant specific analysis to demonstrate that for the WNP-2 mixed core, the ANF 9X9-9X fuel bundles will not interfere with control blade insertion during a combined seismic and LOCA event.

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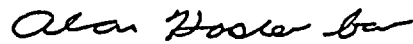
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ANSWER TO NRC QUESTION ON SEISMIC/LOCA  
RESPONSE OF 9X9-IX/9X FUEL

ANF considers the information contained in the attachment to this response to be proprietary. Therefore, in accordance with the requirements of 10 CFR 2.790(b), affidavits are enclosed prepared by both ANF and the Supply System which provide the necessary information to allow the NRC to withhold the total content of the attachment to this response from public disclosure.

The Supply System has evaluated this submittal in accordance with 10 CFR 50.59 and determined that it does not involve an unreviewed safety question as the liftoff expected for a combined seismic and LOCA event is within the previously established acceptance criterion.

Very truly yours,



G. C. Sorensen, Manager  
Regulatory Programs

HLA/bk  
Attachments

cc: JB Martin - NRC RV  
NS Reynolds - Winston & Strawn  
PL Eng - NRC  
DL Williams - BPA/399  
NRC Site Inspector - 901A  
SL Wu - NRC