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AUTH. NAME AUTHOR AFFILIATION
SORENSEN, G. C. Washington Public Power Supply System
RECIP. NAME RECIPIENT AFFILIATION
ADENSAM, E. G. BWR Project Directorate 3

SUBJECT: Advises that submittal of base licensing amend delayed until 860301 based on recent operating history. Suppl will be submitted on 860501 to address actual conditions. Spring outage scheduled for 860415 & Cycle 2 for 860602.

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Docket No. 50-397

January 30, 1986
G02-86-113

Director of Nuclear Reactor Regulation
Attention: E.G. Adensam, Project Director
BWR Project Directorate No. 3
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

Subject: NUCLEAR PLANT NO. 2
OPERATING LICENSE NPF-21
RELOAD LICENSING ADMENDMENT

Reference: None

On June 27, 1985, the Supply System and representatives of Exxon Nuclear Company (ENC) met with members of the Staff to review the Supply System's initial plans and preparation for its forthcoming Cycle 2 reload scheduled for the Spring of 1986. At this meeting, the Supply System indicated that its submittal would be based upon ENC technology. We indicated that all but two ENC topicals had been approved. The two under review at that time were Thermax: Thermal Limits Methodology Summary Description Analysis, XN-NF-80-19, Vol. 3, Rev. 1; and Plant Transient Analysis, XN-NF-79-71(P), Rev. 2. We now understand that two more topical reports, Application of the ENC Methodology to BWR Reloads, XN-NF-80-19(P), Vol. 4, Rev. 1; and Generic Mechanical Design for ENC Nuclear Jet Pump BWR Reload Fuel, XN-NF-81-21, Rev. 1, Supp. 1, are also awaiting approval. In June, based on the nearly complete acceptance of ENC technology, we proposed a 90-day review period. We still feel that to be appropriate.

At the June 27 meeting the Supply System indicated that it planned to make its licensing submittal on March 1, 1986, assuming a spring outage starting April 1, 1986, and the beginning of Cycle 2 June 1, 1986. Since then the Supply System has modified its plans based upon the recent actual operating history of WNP-2.

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The Supply System's current plans call for submittal of a base licensing amendment on March 1, 1986, followed by the submittal of a supplement on May 1, 1986 to address actual conditions. The Supply System currently plans to initiate the spring outage on April 15, 1986, and initiate the beginning of Cycle 2 on June 2, 1986.

This modification of the Supply System's plans for Cycle 2 has resulted from a combination of circumstances. Due to vibration phenomena which WNP-2 has been experiencing in recirculation pump 1B, WNP-2 has been operating in single loop operation since June, 1985. This unanticipated mode of operation extending from June, 1985, until the end of Cycle 1 in April, 1986, will result in a significant difference between actual plant generation and the generation anticipated in June, 1985, when the Supply System reviewed its initial plans with the Staff.

The primary impact of this change in plant generation has been to force our fuel vendor to perform additional analysis for the second cycle. Recognizing that actual generation history would not be available with accuracy until late in 1985, the Supply System agreed to have ENC proceed with a nominal design which would be modified starting in January, 1986, based on the generation history and projection available at that time. These circumstances dictate the type of licensing submittal schedule that the Supply System ultimately arrived at and which is described above.

The licensing submittal which the Supply System will make for Cycle 2 on March 1, 1986, will be a base submittal based upon the Supply System's initial generation estimate for WNP-2. The supplement, which we expect to submit on May 1, 1986, is expected to be a small perturbation on the base submittal with a majority of the changes being related to a reduction in the number of fuel bundles in the reload batch, thereby requiring a minimum of re-review by the Staff.

The Supply System has developed the above plan in order to maximize the time the Staff will have available for review of the Cycle 2 reload license amendment consistent with the current circumstances facing the Supply System and WNP-2. The Supply System is attempting to keep the Staff abreast of its plans as they mature and is hopeful that the Staff will find the above schedule and plan acceptable. With the apparent continuation of low water availability in the Pacific Northwest, the Supply System will be making every effort to complete its spring outage consistent with a June 2, 1986, initiation of Cycle 2. As you know, however, our reload schedule is dictated by regional power demands and the availability of hydroelectric and other generating resources as determined by the Bonneville Power Administration.

Should you have any questions regarding this matter, please contact Mr. P.L. Powell, Manager, WNP-2 Licensing.

Very truly yours,

G. C. Sorensen (MD 280)
Manager, Regulatory Programs

WCW:jmm

cc: JO Bradfute - NRC
JB Martin - NRC RV
E. Revell - BPA
NS Reynolds - BLCP&R
NRC Site Inspector