

FGE

March 20, 1981

Trojan Nuclear Plant
Docket 50-344
License NPF-1

Director of Nuclear Reactor Regulation
ATTN: Mr. Robert A. Clark, Chief
Operating Reactors Branch No. 3
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir:

On February 5, 1981 License Change Application (LCA) 70 was submitted requesting permission to use two dummy stainless-steel-rodged fuel assemblies for two additional fuel cycles at the Trojan Nuclear Plant. A telephone conversation was held on March 10, 1981 with M. Chatterton of the NRC to discuss this LCA. In response to an NRC request made during that conversation, Table 2 of the typical evaluation contained in LCA 70 has been updated to reflect the final Cycle 4 design and is attached to this letter. Only minor changes were necessary as a result of the final design. Table 3 of LCA 70 was also reviewed; however, no changes to this table were necessary.

The remaining NRC questions were resolved during the telephone conversation. However, it was noted that the NRC reviewer was reluctant to approve the LCA for an additional core cycle beyond Cycle 4 without having first reviewed the modified fuel assembly locations and the corresponding impact on the core design. We would be receptive to an amendment that would allow use of the two modified assemblies in the Cycle 4 core and also require submittal of an update of the information contained in LCA 70 in letter form (as opposed to the form of a new LCA) prior to use of the modified assemblies in a core cycle after Cycle 4. This type of approach would eliminate the need for a redundant LCA and would eliminate needless paper work and delays, but it would not eliminate the submittal of the appropriate data to the NRC. We would be happy to discuss this matter further with members of your staff.

*Asst
5/11*

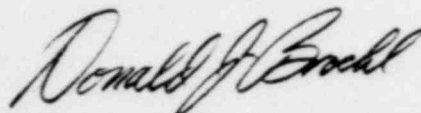
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However, prompt approval of LCA 70 for Cycle 4 is still required in order to avoid impacting the spring refueling outage at Trojan.

Sincerely,

A handwritten signature in cursive script, reading "Donald J. Broehl".

Attachment

c: Lynn Frank, Director
State of Oregon
Department of Energy

WESTINGHOUSE PROPRIETARY CLASS 3

TABLE 2

TROJAN CYCLE 4 SUMMARY
DESIGN 1 LOADING PATTERN*

150 MWD/MTU Burnup
Cycle 4

<u>Core Condition</u>	<u>Nominal Cycle 3 Burnup</u> EOC3=9600 MWD/MTU	
<u>HFP</u>	$C_B = 1012$ ppm	
	<u>$F_{\Delta H}$</u> @	<u>Location**</u>
ARO	1.361	(3,1)
D In	1.392	(2,7)
D+C In	1.615	(4,7)
<u>HZP</u>	$C_B = 1150$ ppm	
	<u>$F_{\Delta H}$</u> @	<u>Location</u>
ARO	1.408	(4,2)
D In	1.426	(7,2)
D+C In	1.779	(4,7)

*BOL ARO HFP: $C_B = 1319$ ppm & $F_{\Delta H} = 1.350$ @ (4,5)

**Locations are designated in quartercore notation