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 EISENHUT, D.G. Division of Licensing

SUBJECT: Commits to inert facility primary containment for interim period until completion of degraded core rulemaking. Design drawings, FSAR revisions & support data re hydrogen recombiner performance will be submitted Jan 1982.

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Summary of Work Done		Detailed Account of Work Done		Summary of Results of Work Done		Summary of Conclusions Reached	
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Washington Public Power Supply System

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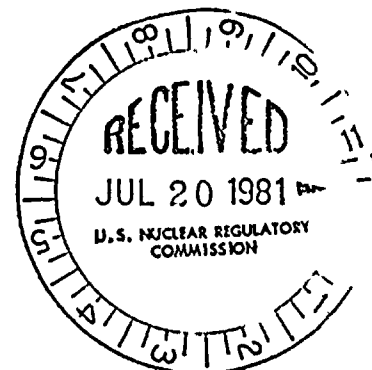
Mr. D. G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C., 20555

July 16, 1981
G02-81-181
NS-L-02-PLP-81-005

Dear Mr. Eisenhut:

Subject: SUPPLY SYSTEM NUCLEAR PROJECT NO. 2
INERTING OF THE WNP-2 PRIMARY CONTAINMENT

Reference: NRC letter, R. L. Tedesco to R. L. Ferguson,
"Staff Position Regarding Inerting of the
WNP-2 Primary Containment", dated April 2, 1981



As requested by the referenced letter, the Supply System commits to inert the WNP-2 primary containment for the interim period until completion of degraded core rulemaking. As with plants currently in the final stages of licensing, we assume this commitment applies after commercial operation to allow for flexibility and enhanced personnel safety in containment access during the post fuel load power ascension testing program.

The design of the nitrogen inerting system for WNP-2 will be a standard design typical of those in use in other BWR's. The nitrogen supply interties to initially inert will be to the Containment Purge Supply (CSP) line outside the outboard wetwell and drywell CSP containment isolation valves on the common feed line. Nitrogen makeup during plant operation will utilize small feed lines connected to each of the wetwell and drywell CSP lines between the containment penetrations and the first containment isolation valve. The small feed lines will incorporate redundant containment isolation valves per appropriate General Design Criteria. The nitrogen intertie to the Containment Instrument Air (CIA) system will be located outside of its respective containment isolation valve. Nitrogen supply will be via a standard commercial nitrogen supply system. An intertie to the Auxiliary Steam (AS) system will supply steam to the nitrogen vaporizer.

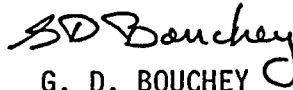
Piping and valves on interties within the containment isolation boundary will be classified Seismic Category I, Quality Class I, and Code Group B. Piping and valves beyond the outermost containment isolation valve will be Seismic Category II, Quality Class II, and Code Group D and will be supported to Seismic Category I requirements within the Reactor Building. (Definitions per Section 3.2 of the WNP-2 FSAR.)

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Mr. D. G. Eisenhower
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Detailed design drawings and appropriate FSAR revisions will be supplied to the NRC in January 1982. With respect to the hydrogen recombiners; the recombiners were originally designed for use in a nitrogen atmosphere. Detailed support data with respect to hydrogen recombiner performance will be supplied with the January submittal.

Very truly yours,



G. D. BOUCHEY
Director, Nuclear Safety

GDB:PLP:dm

cc: R. Auluck -NRC
WS Chin -BPA
OK Earle -B&R HAPD
JA Forrest -B&R
FA MacLean -GE
A. Schwencer-NRC
S. Smith -GE



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