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 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Advises of necessity of capping three downcomers to eliminate LOCA jet loads on ECCS suction piping in wetwell. Capping will be accomplished by welding 14-inch plate to jet deflector.

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Washington Public Power Supply System

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February 8, 1983
G02-83-102

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: NUCLEAR PROJECT NO. 2
CAPPING DOWNCOMERS

Dear Mr. Schwencer:

Confirming a telephone conversation with Mr. Farouk Eltawila of the Containment Systems Branch, this is to advise you that it will be necessary to cap three downcomers to eliminate LOCA jet loads on ECCS suction piping in the wetwell. The three downcomers direct discharging water, air, and steam during a LOCA onto the LPCS, HPCS, and RHR-C suction lines which partially obstruct the downcomer exit a short distance below the ends of the downcomers. In order to eliminate the postulated LOCA jet loads which would be applied to these lines, it has been decided to cap downcomers by sealing the entrance to the downcomers above the diaphragm floor. This will be accomplished by welding a 1/4-inch plate to the jet deflector. The effect on drywell pressurization following a LOCA, due to the approximately 3% reduction in vent area, has been evaluated and found not to be significant. This will be documented in a future revision to the FSAR.

Very truly yours,

G D Bouchey

G. D. Bouchey
Manager, Nuclear Safety and Licensing

EAF:cph

cc: R. Auluck - NRC
WS Chin - BPA
R. Feil - NRC Site
F. Eltawila - NRC

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