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 BOUCHEY, G. D. Washington Public Power Supply System
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 SCHWENCER, A. Licensing Branch 2

SUBJECT: Provides addl info re preservice insp program plan for scram
 discharge sys per 820812 telcon. Boundary diagram for control
 rod drive sys encl.

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Washington Public Power Supply System

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September 22, 1982
G02-82-801

Docket No. 50-397

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

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2
PRESERVICE INSPECTION PROGRAM
SCRAM DISCHARGE SYSTEM

It was requested on August 12, 1982, by Mr. Martin Humm (MTEB) via telecon that some additional information on the scram discharge system be provided to the NRC for their review. This is part of the WNP-2 Preservice Inspection Program Plan.

Inspection Requirements

The Preservice Inspection Program Plan requires a visual examination for evidence of leakage for the CRD scram discharge headers and instrument volumes. All piping connecting to the scram discharge headers and instrument volume is less than four inches nominal pipe size and subject only to a visual examination for evidence of leakage. Furthermore, the headers are on the discharge side of the scram discharge system and their failure would not prevent a scram. The only connections with the RPV are via the 3/4" CRD tubing. A minimal amount of leakage due to water bypassing the drives during scram will occur, but following scram the leakage will essentially cease upon closure of the scram valves. In any event, the sum of the bypass leakages from all drives is anticipated to be much less than the reactor makeup system capacity. Therefore, a failure of a header or any connecting piping would not impair the ability to makeup the resulting loss of reactor water using normal makeup systems.

Scram Discharge System Piping

The scram discharge headers and instrument volumes contain 93 circumferential welds (4 - 12" diameter, 45 - 8" diameter and 44 - 6" diameter) and approximately 200 - 3/4" socket branch connections. The as-built condition of the circumferential weld surfaces is suitable for ultrasonic examination. However, the headers and instrument volumes are insulated with non-removable

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Mr. A. Schwencer
Page 2

calcium silicate type insulation. Copies of the construction isometrics of the scram discharge system have been sent to Mr. Jeff Cook of EG&G, an NRC Consultant, per Mr. Humm's request.

A marked-up boundary diagram for the control rod drive system (Drawing ISI-228) is attached. This drawing shows the 14 - 6" headers, the 2 - 8" headers, and the 2 - 12" instrument volumes.

Very truly yours,



G. D. Bouchey
Manager, Nuclear Safety & Licensing

GDB:DPR:cd

Attachment

cc: R. Auluck, NRC w/att
W. S. Chin, BPA w/att
R. Feil, NRC Site w/att

