



REGULATORY DOCKET FILE COPY



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LEON D. WHITE, JR.
VICE PRESIDENT

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July 27, 1978

Director of Nuclear Reactor Regulation
Attention: Mr. D.L. Ziemann, Chief
Operating Reactors Branch No. 2
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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OPER SERVICES
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REGULATORY
SERVICES UNIT

Subject: SEP Safe Shutdown Review
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Ziemann:

During the NRC's SEP Safe Shutdown review of the Ginna Station (June 14-16, 1978), we were requested to identify a variety of means by which the plant could be brought to a safe cold shutdown condition. Since that time, another method has been identified which, though never demonstrated, appears feasible. This information has been provided to the NRC Staff by telephone. This letter documents that discussion.

If the normal residual heat removal (RHR) letdown valves 700 or 701 cannot be opened, open (manually if necessary) the RHR discharge valves 720 and 721. These valves will be used to provide suction to the RHR pumps. Align valves such that reactor coolant flow is through 720 and 721, through the RHR recirculation line (with FE 628), through 704 A and/or B to the RHR pumps. From there, flow would go through the RHR coolers, and thence through 857 A, B and C, or through 1816 A and B, to the Safety Injection Pumps, and ultimately to the RCS via valves 878 A, B, C, D.

Flow would be restricted to a few hundred gpm. However, this should be sufficient when going to cold shutdown, because of the low decay heat at that time.

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DATE July 27, 1978

TO Mr. D.L. Ziemann, Chief

This method is in addition to the other alternative cold shutdown methods previously discussed with the NRC:

- 1) use of steam generator blowdown lines
- 2) fill up steam lines after propping them up so they wouldn't collapse under the weight of the water, and use drain lines to remove water
- 3) let down via the CVCS through the non-regenerative and excess letdown heat exchangers
- 4) cooldown from pressurizer to pressurizer relief tank to reactor coolant drain tank to the RHR system.

Please contact us if there are further questions.

Very truly yours,



Leon D. White, Jr.

LDW:np