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WHITE,L.D. Rochester Gas & Electric Corp.
RECIP.NAME RECIPIENT AFFILIATION
CRUTCHFIELD,D. Operating Reactors Branch 5

SUBJECT: Discusses task action plan re asymmetric LOCA loads. Specified repts support conclusion that under worst combination of loadings,including SSE effects,realistically postulated flaw will not cause guillotine break.

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LEON D. WHITE, JR.
VICE PRESIDENT

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August 27, 1980

Director of Nuclear Reactor Regulation
Attention: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Task Action Plan A-2, Asymmetric Loads
R. E. Ginna Nuclear Power Plant
Docket 50-244

References: (a) Westinghouse letter NS-TMA-2206
(b) RGE letter dated February 15, 1980 from L. D. White, Jr. to Dennis L. Ziemann, USNRC

Dear Mr. Crutchfield:

Westinghouse letter NS-TMA-2265 from Mr. T. M. Anderson to Mr. Darrel Eisenhut submitted WCAP 9558 Revision 1 and WCAP 9570, Revision 1, the proprietary and non-proprietary versions, respectively, of "Mechanistic Fracture Evaluation of Reactor Coolant Pipe Containing a Postulated Circumferential Through-Wall Crack". This report was prepared at the request of, and is applicable only to, a group of Westinghouse utilities participating as a group in a joint effort in the evaluation of the effects of asymmetric LOCA loads. These reports support our conclusion that under the worst combination of loadings, including the effects of a safe shutdown earthquake, a realistically postulated flaw will not propogate around the circumference of the pipe to cause a guillotine break. Rochester Gas and Electric is a member of the group of utilities sponsoring this work and therefore these reports should be made a part of the R. E. Ginna docket.

Westinghouse letter NS-TMA-2266 from Mr. T. M. Anderson to Mr. Darrel Eisenhut submitted WCAP 9748 and WCAP 9749 the proprietary and non-proprietary versions, respectively, of "Westinghouse Owners Group Asymmetric LOCA Load Evaluation - Phase C". These reports supersede the information which was provided by reference (a) and incorporated on the R. E. Ginna docket by reference (b). The reports document analyses of the effects of asymmetric LOCA loads resulting from guillotine breaks in the reactor coolant system despite the conclusion of WCAPs 9558 and 9570 that guillotine breaks will not occur. The analyses included an evaluation of

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postulated reactor coolant system breaks inside the reactor cavity annulus and demonstrated that with limited structural modifications the integrity of the R. E. Ginna plant reactor vessel supports, reactor internal structures, fuel, control rod drive mechanisms, primary equipment supports and ECCS piping attached to the reactor coolant system will be maintained. Because WCAPs 9558 and 9570 demonstrate that flaws large enough to cause significant asymmetric loads will not occur, we do not feel it is necessary to install these structural modifications. RGE is a member of the utility group which sponsored the evaluation effort and therefore WCAP 9748 and WCAP 9749 should be made a part of the R. E. Ginna docket.

Sincerely yours,

L D White, Jr.

L. D. White, Jr.

PCW/LDW/ng