

B 04/21/78

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DOC DATE: 04/17/78
DATE RCVD: 04/21/78

DOCTYPE: LETTER NOTARIZED: NO

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SUBJECT: FURNISHING INFO RE LOGIC INCONSISTENCY IDENTIFIED BY WESTINGHOUSE IN LOCA
ECCS EVALUATION MODEL OF APPLICANT'S SUBJECT FACILITY, PERTAINING TO HEATING
EFFECT OF THE ZIRCALLOY/WATER REACTION... ADVISING WESTINGHOUSE WILL REANALYZE
LIMITING BREAK ~~OF~~ ^{FOR} SUBJECT FACILITY.

PLANT NAME: RE GINNA - UNIT 1

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: M

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

GENERAL DISTRIBUTION FOR AFTER ISSUANCE OF OPERATING LICENSE.
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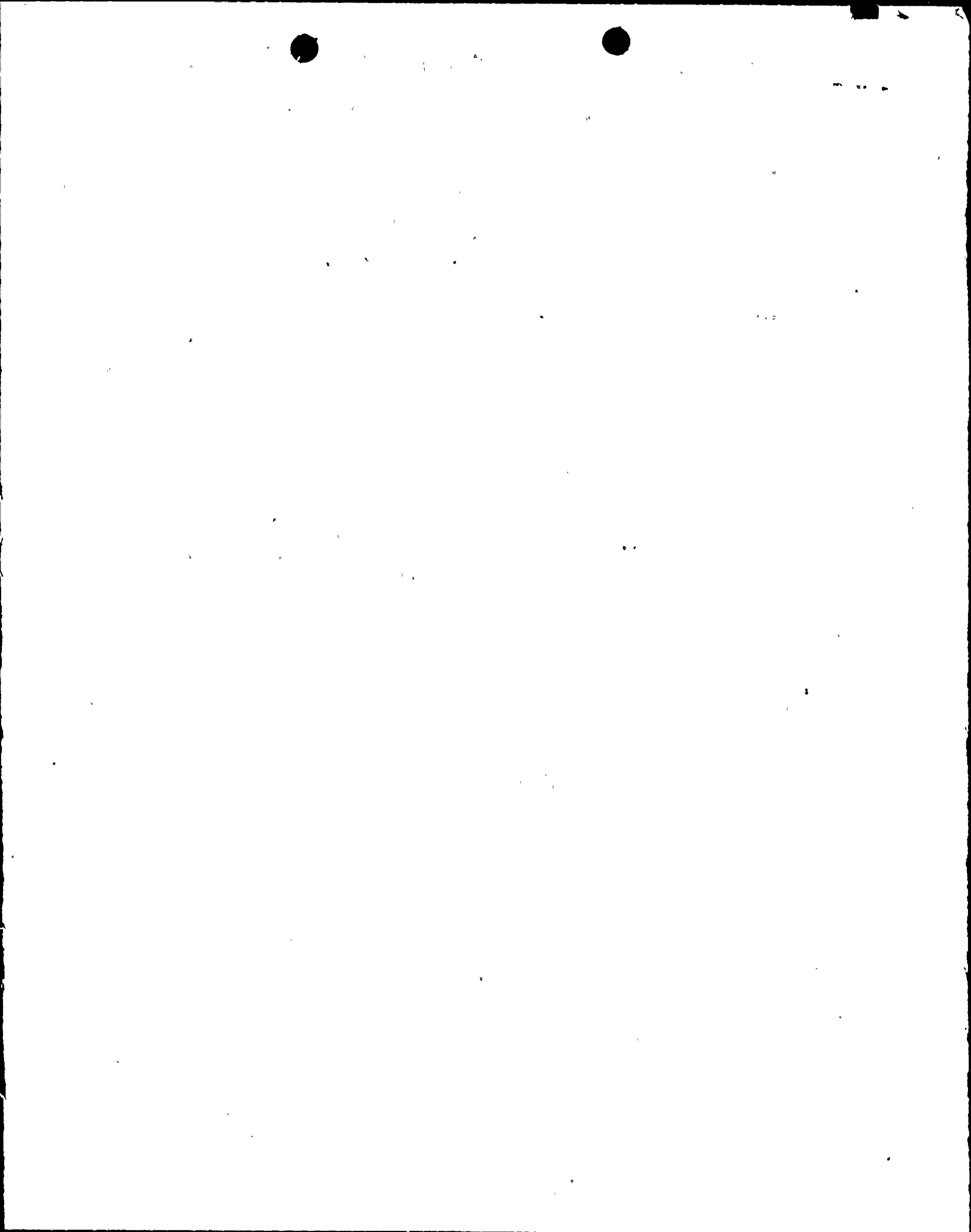
NRC PDR**LTR ONLY(1)
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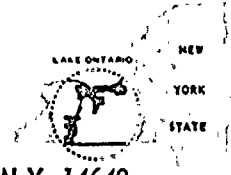
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REGULATORY DOCKET FILE COPY



ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649

LEON D. WHITE, JR.
VICE PRESIDENT

TELEPHONE
AREA CODE 716 546-2700

April 17, 1978

50-144
1978 APR 21 AM 11 01
RECEIVED DISTRIBUTION SERVICES UNIT
US NRC
DISTRIBUTION SERVICES
BRANCH

Director of Nuclear Reactor Regulation
Attention: Mr. Dennis L. Ziemann, Chief
Operating Reactors Branch #2
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Ziemann:

This letter is in response to a request from a member of your Staff and addresses a logic inconsistency recently identified by our vendor, Westinghouse Electric Corporation, in their LOCA ECCS Evaluation Model. On March 24, 1978, we were notified by Westinghouse that they had determined that their Evaluation Model did not fully account for the heating effect of the Zircalloy/water reaction. Since that time, Westinghouse has performed additional analyses in which they determined the impact on peak clad temperature of including the Zircalloy/water reaction in their present models. These analyses indicate that, taking full account of the Zircalloy/water reaction, and without making other changes in the model, Ginna continues to meet the limits specified in 10 CFR Section 50.46 while operating at the present Technical Specification limits. Thus, no interim restrictions are required. This conclusion is a result of the large margin to limits and to the assumed level of steam generator tube plugging which existed in the previous analysis.

Westinghouse has informed us that they have submitted several proposed changes to their Evaluation Model to the NRC for review, including a change to fully account for the Zircalloy/water reaction. Following approval, Westinghouse will reanalyze the limiting break for R. E. Ginna for our submittal to you.

Very truly yours,

L. D. White, Jr.
L. D. White, Jr.

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