



ROCHESTER GAS AND ELECTRIC CORPORATION • 89 EAST AVENUE, ROCHESTER, N.Y. 14649-0001

ROGER W. KOBER  
VICE PRESIDENT  
ELECTRIC & STEAM PRODUCTION

TELEPHONE  
AREA CODE 716 546-2700

August 23, 1985

Director, Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

SUBJECT: 10CFR21 Report  
R. E. Ginna Nuclear Power Plant  
Docket No. 50-244

Dear Sir:

The enclosed transmittal is to provide notification of a design error made when upgrading the Auxiliary Building Main Hoist Backup Hydraulic Brake System. The Micro Instrument Corporation modified the conceptual design, prepared by National Machine Company, and submitted to them by Rochester Gas and Electric Corporation. The hydraulic valve required by design prevented the release of hydraulic pressure, thereby preventing the backup brakes from engaging. Testing of the system detected this error and the hydraulic valve was replaced with one of proper design. Retesting verified proper operation of the system.

Very truly yours,

Roger W. Kober

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Controlled Copy #4  
Refer to A-61 for Instructions

FORM 110CFR21 EVALUATION FORM

1. Statement of Problem: Hydraulic and Electrical System for Main  
Hoist hydraulic disc brakes not designed properly to meet intended  
function.
2. References: Nonconformance Report G85-137. G85-140, G85-143, G85-147

3. Basic Component: Defined in Appendix "A", Step A.1

- a. Determination of basic component has been made by the issuance of an "N" purchase order or Q.A. Requisition that determines the purchase be made under 10CFR21 Applicability. ☒ YES ☐ NO

NOTE: If 3.a, was marked "YES" proceed to Item 4 below.  
If 3.a was marked "NO" DO NOT proceed any further,  
does not meet 10CFR21 Evaluation Criteria.

4. Potential Defect in Basic Component IF:

- a. Either the defect must exist in a delivered component, or ☒ YES ☐ NO
- b. The defective component must have been installed, used or operated or ☒ YES ☐ NO
- c. In case of onsite work or software, the deviation was associated with a portion of the facility offered for acceptance, or YES ☒ NO
- d. The conditions of the potential defective component could have contributed to exceeding a safety limit, or YES ☒ NO

Refer to A-61  
for Instructions

FORM 1 (con't)

- e. Other: DESIGN  
(Design, inspection, testing, consulting services, in which a defect or failure could create a substantial safety hazard.)

NOTE: If either 4.a, 4.b, 4.c, 4.d, or 4.e was marked "YES", proceed to Item 5 below. If all five items were marked "NO", DO NOT proceed any further, does not meet 10 CFR 21 Evaluation Criteria.

5. Consideration Whether Defect Could Create a Substantial Safety Hazard

Discussion: MICRO INSTRUMENT CORP. MODIFIED THE CONCEPTUAL  
DESIGN PREPARED BY NATIONAL MACHINE COMPANY AND SUBMITTED TO  
THEM BY RG&E. MISAPPLICATION HAS REQUIRED REPLACEMENT OF ONE  
HYDRAULIC VALVE. THE VALVE WOULD NOT RELEASE HYDRAULIC  
PRESSURE PREVENTING THE BRAKES TO ENGAGE. RG&E AND MICRO  
INSTRUMENT CORP. ARE REVIEWING THE DESIGN.

6. Conclusion:

10 CFR 21 Reportable

YES ☒ NO ☐

Signed: Carl H. Peck  
Responsible Engineer

Date: 7-18-85

Reviewed: 8-21-85  
PORC Date

Approved: Gm Spector  
Superintendent

Date: 8-22-85

A-61:7

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Refer to A-61 for  
Instructions

FORM 2

CONTENT OF TRANSMITTAL TO NRC

Date: 8-22-85

1. NAME: Mr. Roger W. Kober

TITLE: Vice President Electric & Steam Production

ADDRESS: Rochester Gas & Electric  
89 East Avenue  
Rochester, NY 14649

2. FACILITY: R.E. Ginna Nuclear Power Station

DOCKET NO.: 50-244

3. Activity, or basic component supplied which fails to comply or contains a defect: The design for the backup hydraulic brake system for the Auxiliary Building main hoist.

4. Firm supplying the basic component which fails to comply or contains a defect: Micro Instrument Corp.

5. Nature of the defect or failure to comply and the safety hazard which is created or could be created by such a defect or failure to comply: Misapplication of a hydraulic valve would prevent backup brake from engaging.

6. Date on which the information of such defect or failure to comply was obtained: 7-1-85

7. In the case of a basic component which contains a defect or fails to comply, the number and locations of all such components in use at, supplied for, or being supplied at Ginna Station:

NUMBER: One

LOCATIONS: Auxiliary Building Main Hoist

Refer to A-61 for  
Instructions

FORM 2 (con't)

8. Corrective Action which has been, is being, or will be taken:

Replacement valve obtained, installed and functionally tested.

Design review by RG&E and Micro Instrument Corp. determined no additional misapplications. Additional training to insure supplier  
SEE ATTACHMENT

- 8.1 Name of individual or organization responsible for the action:

Ginna Modification Project Group

- 8.2 Length of time that has been or will be taken to complete the action: Actions associated with the crane hydraulic system installation

testing and design review were completed by August 1, 1985.

Training activities will be completed by October 1, 1985.

9. Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to Rochester Gas and Electric: \_\_\_\_\_

None

**NOTE:** Notification is not required if individual has actual knowledge that the NRC has been adequately informed of such defect or such failure to comply.

Initial notification shall be made within two days following receipt of the information. If initial notification is by means other than written communication a written report shall be submitted within five days after the information is obtained.

Notification shall be made to:

1. Director, Office of Inspection and Enforcement,

or to

2. Director of Regional Office

Three copies of each report shall be submitted to the Director, Office of Inspection and Enforcement.

ATTACHMENT TO FORM 2

8. Corrective Action...(cont'd)

adherence to purchase order requirements is being scheduled.