



September 25, 1985

Mr. James Taylor
Nuclear Regulatory Commission
Director of Inspection and Enforcement
EWW/357
Washington, DC 20555

Subject: 10CRF-21 Notification on
Rochester Instrument Systems - PR-2035
QA ID No. 85-001

Gentlemen:

Attached please find a report of defective Rochester Instrument Systems' PR-2035 in accordance with 10CFR-21 procedure.

Following our complete investigation we expect the final report to be issued by October 11, 1985.

Sincerely,

ROCHESTER INSTRUMENT SYSTEMS, INC.

A. Wayne Engbrecht

A. Wayne Engbrecht
Manager of Quality Assurance

AWE/kak

Attachment

cc: Mr. K. R. Naidu
Nuclear Regulatory Commission
EWW/357
Washington, DC 20555

Mr. J. Carney
Stone & Webster Corp.
P.O. Box 2325
Boston, MA 02107

8509300166 850925
PDR ADOCK 05000322
S PDR



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Dartford, Kent DA1 4BG

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915 Kipling Avenue
Toronto M8Z 5H4

IE19
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cc: Mr. K. Shott
Virginia Electric Power Corp.
P.O. Box 26666
Richmond, VA 23261

Mr. S. Rogoff - RiS
Mr. C. Buehler - RiS
Mr. D. Hollands - RiS
Mr. D. Seward - RiS
Mr. C. Tomlinson - RiS
Ms. D. Wood - RiS

REPORT OF DEFECTS AND NON-COMPLIANCE PER NRC 10CFR-21

A. Receipt of Information:

From: Stone & Webster Corp. Phone No: Unknown
Address: P.O. Box 2325 Date: May 6, 1985
Boston, MA 02107 Plant: Shoreham Nuclear Power
Station Unit 1 - LILCO
Reported by: J. Carney Title: Project Engineer
Project: J. O. No. 11600.02
Reference No: File Nos. 242.5, 242.41.1

Defect/Description of Problem: PR-2035 Under Voltage Relays have exhibited a
tendency to drift from the designated set point and/or inability to maintain
deadband adjustment. (Published specifications on Deadband Adjustments =
Independent blind set from 0.5% to 10% of input range.)

Received by: Ms. D. J. Wood - Contracts

B. Action Plan for Evaluation/Investigation: Scheduled by: July 15, 1985
Date
LILCO to return 3 PR-2035 units for RiS to conduct "As Found Condition" tests.
Units received at RiS September 3, 1985.

C. Evaluation: As Found tests showed minimum deadband was out of tolerance as
follows: S/N 71232-2 @ 1.4VAC, S/N 71232-3 @ 0.7VAC, S/N 71232-6 @ 0.9VAC
(spec. computes to 0.6VAC). Also the L.E.D.'s associated with relays K1
(High Trip) and K2 (Low Trip) exhibited a condition in which the L.E.D would
not consistently track the relay action.

D. Notification to NRC? Yes By Date: 9/25/85

Problem Not Generic - No Notification Required (Comments): _____

E. Probable Cause: Under investigation - to be completed by October 4, 1985.F. Recommendation/Corrective Action: To follow. Expect final report to be issued by October 11, 1985.

G. Scheduled Corrective Action Completion Date: _____

H. Approvals:

d. Wayne Engbucht
Manager of QA9/25/85
DateJohn H. Lombuse
Product Manager9/25/85
DateJ. D. Holland
V.P. Engineering9/25/85
Date

I. Follow Up/Verification: _____

Verified by: _____

Title

Date

Approved by: _____

Date

J. Customer Notification Required: Yes _____ No _____

Completed by: _____

Name

Title

Date

Send NRC Notifications to: Mr. James Taylor
Nuclear Regulatory Commission
Director of Inspection & Enforcement
EWW/357
Washington, DC 20555

cc:

K. R. Naidu
IE/VPB