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 MECREY, R.C. Rochester Gas & Electric Corp.
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SUBJECT: Responds to NRC Bulletin 89-002, "Stress Corrosion Cracking of High-Hardness Type 410...."

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 TITLE: Bulletin Response 89-02 re Cracking of High-Hardness Type 410 Bolting

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May 29, 1990

U.S. Nuclear Regulatory Commission
Document Control Desk
Attention: Allen R. Johnson
Project Directorate I-3
Washington, D.C. 20555

Subject: Response to NRC Bulletin 89-02
Stress Corrosion Cracking of High-Hardness Type 410
Stainless Steel Internal Pre-loaded Bolting in Anchor
Darling Model S350W Swing Check Valves or Valves of
Similar Design
R.E. Ginna Nuclear Power Plant
Docket Number 50-244

Dear Mr. Johnson:

NRC Bulletin 89-02 requires each licensee to disassemble and inspect all safety related Anchor Darling Model S350W swing check valves supplied with internal retaining block studs of ASTM specification A-193 Grade B6, Type 410SS. Valves of similar design from other manufacturer's should also be inspected.

Rochester Gas and Electric reviewed all safety related check valves installed at R.E. Ginna Nuclear Power Plant. Ten check valves were identified with A-193 Grade B6, Type 410SS retaining block studs. Four are Anchor Darling Model S350W swing check valves and six are Velan (three and six inch) primary nuclear swing check valves. All the valves have been disassembled and the 410SS studs removed and visually and liquid penetrant examined. None of the fasteners displayed any indication of cracking and all are receiving additional metallurgical examinations. Disassembly and inspections were performed during the 1989 and 1990 annual inspection outages. The inspections were completed May 4, 1990.

The original studs have been replaced with ASTM A-564, TP630 (1100) stainless steel. These 17-4 PH stainless steel studs are heat treated to 1100 degrees fahrenheit and have been installed, with the respective manufacturer's concurrence, under minor modifications TSR 89-02 and TSR 90-04.

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NRC Bulletin 89-02
May 29, 1990

Very truly yours,



Robert C. Mecredy
Division Manager
Nuclear Production

Subscribed and Sworn before me on

this 29th day of June, 1990

Lynn I. Hauck

LYNN I. HAUCK
Notary Public in the State of New York
MONROE COUNTY
Commission Expires Nov. 30, 1991

xc: U.S. Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406

NRC Senior Resident Inspector - Ginna Station