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 AUTH.NAME AUTHOR AFFILIATION
 MECREDY,R.C. Rochester Gas & Electric Corp.
 RECIP.NAME RECIPIENT AFFILIATION
 MURLEY,T.E. Office of Nuclear Reactor Regulation, Director (Post 870411

SUBJECT: Part 21 rept re defect consisting of interference between
 mechanical seal pumping ring & pump discharge housing.

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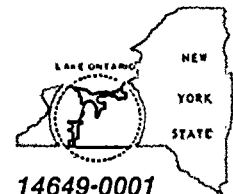
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May 12, 1989

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Notification of 10CFR Part 21
R.E. Ginna Nuclear Power Station
Docket No. 50-244
Licensee No. DPR-18

Dear Mr. Murley:

Rochester Gas and Electric is submitting the attached 10CFR Part 21 Evaluation and Notification. The notification concerns a defect in design of two (2) Residual Heat Removal Pumps supplied by Pacific Pump, Inc. of Los Angeles, CA. The defect consist of an interference between the mechanical seal pumping ring and the pump discharge housing.

The defective designed pumping rings were installed in 1969, during the construction phase, as a result of a mechanical seal modification. The mechanical seal was supplied by Crane Packing Company. Due to the date of occurrence, the condition is technically not 10CFR Part 21 reportable. However, due to the significance of the potential pump degradation, Rochester Gas and Electric is submitting voluntary notification.


Specific information regarding failure identification and corrective action taken are detailed on the enclosed Attachment I. Should further information be required, please contact Mr. Thomas Marlow, Superintendent of Ginna Support Services on 315/524-4446.

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10CFR Part 21
May 12, 1989

Very truly yours,


Robert C. McCreedy
General Manager
Nuclear Production

xc: Mr. William T. Russell, Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406

xc: Ginna Senior Resident Inspector

Attachment I

Name: Robert C. Mecredy
Title: General Manager Nuclear Production
Facility: R.E. Ginna Nuclear Power Plant
Docket No.: 50-244
Basic Component: RHR Pumps
Supplier: Pacific Pump Inc., Los Angeles, CA
Sub-Supplier: Crane Packing Company
Nature of Defect: Mechanical seal pump ring interference with pump discharge housing.

In discussion with Original Equipment Manufacturer, discovered during a root cause investigation, there was a dimensional tolerance issue between the originally supplied mechanical seal outside diameter and the pump casing bore inside diameter. It was determined the mechanical seals were changed out during the plant construction phase and replaced with an alternate mechanical seal. Apparently, at this time, the original pumping ring was replaced with a new style ring with no attention paid to the impact of this change with respect to pump casing bore inside diameter.

Rubbing between the pumping ring and the pump housing could cause degradation to the pumping ring with the potential for damage to the pump rotating assembly.

Condition is technically not Part 21 violation due to date of occurrence (prior to 1978).

Date obtained: April 28, 1989

Basic Components Affected:

Number: 2
Location: Auxiliary Building, Sub-basement

Corrective Action: Machined outside diameter of pumping ring at supplier's direction to permit proper placement in pump discharge housing.

Responsible Individual for Action:

Thomas A. Marlow, Superintendent Ginna
Support Services

Time to Complete Action:

Action was completed on both pumps April 29,
1989.

Advice Related to Defect:

Vendor supplied repair direction.

