

PRATT

HENRY PRATT COMPANY

creative engineering for fluid systems

401 SOUTH HIGHLAND AVENUE · AURORA, ILLINOIS 60507

June 15, 1982

Nuclear Regulatory Commission
Region 3 Office
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Attn: Mr. James G. Keppler, Director
Office of Inspection and Enforcement

Subject: Non-compliance Reporting Under 10CFR, Part 21
Section 206 of Energy Reorganization Act of 1974.

Dear Mr. Keppler:

Subsequent to a telephone report made to your Mr. Ray Priebe, (Washington Duty Officer) on Friday, June 11, 1982 by the writer, this letter is presented in triplicate, with the following:

Project Involved:

Mississippi Power & Light
Grand Gulf Nuclear Station Unit #1 & #2

Equipment:

Pneumatic actuators furnished with Pratt 24" Butterfly Valves.

Equipment Description:

Pneumatic Actuator Models T316 and T312 manufactured by G. H. Bettis Corporation, Houston Texas, furnished with 24" Butterfly Valves manufactured by Henry Pratt Company, Aurora, Illinois.

Equipment Identification:

Pratt Orders: D-0084-1 (4 valves); D-0073-1 (4 valves) and D-0038-2 (6 valves).

Time and Date Pratt informed of defect:

2:00 p.m. Wednesday, June 9, 1982.
Defect evaluated and determined to be reportable by Pratt/Bettis
June 11, 1982.

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How Non-compliance detected:

During Grand Gulf Plant system test, valve actuator appeared to have excessive vibration. Upon inspection, Yoke of actuator was found to be broken. Upon further inspection of 2 or 3 similar actuators, Yokes were found to be cracked.

Description of Non-compliance:

Bettis Model T (or NT) Series actuator Yokes with 3/8" deep keyway and 3" diameter shaft bore appear to have insufficient remaining wall thickness for full range torques. When actuator operates, the Yoke which is coupled to the valve shaft by a key may be overstressed resulting in Yoke failure at the keyway and rendering the valve inoperable.

The problem is believed limited to one valve/actuator combination; namely, 24" Pratt Butterfly Valve with 3" diameter shaft/ G.H. Bettis Model T (or NT) 300 Series pneumatic actuators.

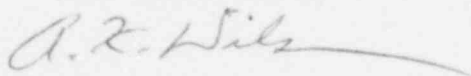
Similar equipment in service:

Henry Pratt Company is searching its files to identify projects where such equipment may have been delivered and will thereafter report these to your offices and any affected utilities. This report will be made by June 18, 1982.

Corrective Action:

Grand Gulf Project has notified the G. H. Bettis Corporation of the defect and has asked Bettis to determine how and when they can replace the defective parts. A total of 14 new Yokes and keys with keyway modifications are being furnished to Grand Gulf by G. H. Bettis.

Very truly yours,



A. K. WILSON
Vice President
Manager of Engineering

AKW:pst

CC: B. R. Cummins
R. D. Nelson
G. A. Kurkjian
H. C. Schwenk
T. Berg