



## HENRY PRATT COMPANY

creative engineering for fluid systems

401 SOUTH HIGHLAND AVENUE · AURORA, ILLINOIS 60507

July 25, 1979

U. S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 1000  
Arlington, Texas 76012

ATTENTION: Mr. Uldis Potapova, Chief Vendor Inspection Branch

Gentlemen:

We have reviewed Report No. 99900056/79-01 and request that  
Mr. R. P. Saar's title be corrected in Details Section A per attachment.

Very truly yours,

A handwritten signature in dark ink, appearing to read "A. K. Wilson". The signature is fluid and cursive, with a long, sweeping underline.

A. K. Wilson  
Quality Assurance Manager

bmr

CC: Mr. R. P. Saar -- Henry Pratt Company

316233

7909060 390

## DETAILS SECTION

### A. Persons Contacted

A. K. Wilson, QA Manager

R. P. Saar, Vice President and ~~General Manager~~

**MANAGER, ENGINEERING**

### B. Preinspection Conference

A preinspection conference was held on June 25, 1979, with Messrs Wilson and Saar. The NRC inspector defined the scope of the inspection as being limited to a follow-up on Henry Pratt Company's 10 CFR Part 21 report to the Nuclear Regulatory Commission on April 10, 1979, concerning a deficiency in ASCO solenoid valves in a subvendor's actuators used on four (4) Henry Pratt 36" butterfly valves supplied for use in the Containment Purge/Exhaust Isolation System of Three Mile Island Unit No. 2.

### C. Reported 10 CFR Part 21 Deficiency

#### 1. Deficiency Reported

The equipment in question is a solenoid valve, Model HT-8331A45, manufactured by Automatic Switch Company of Florham Park, New Jersey. It is used to control Bettis Model T-516-SR-3 pneumatic, spring return valve actuators installed on 36" butterfly valves manufactured by Henry Pratt Company, used as containment purge/exhaust isolation valves. The non-conformity is that the disc holder and bottom part in pilot valve assembly of the ASCO solenoid are made of Delrin plastic, which has been reported to have a maximum service limitation of  $4 \times 10^5$  RAD integrated radiation dosage and  $200^\circ\text{F}$  maximum service temperature. Burns and Roe Specification No. 2555-100 requires a maximum environmental condition of  $2 \times 10^7$  Rad integrated dosage and  $286^\circ\text{F}$  maximum service temperature. The actuator is required to operate the valve after exposure to these conditions. The exposure of the Delrin parts to the specified maximum environmental conditions may render the actuator unoperable. Similar solenoid valves may have been furnished on other containment purge/exhaust isolation valves delivered prior to 1977 to other nuclear power plants. Henry Pratt Company is searching its files to identify projects where such equipment may have been delivered.

#### 2. Objectives

The objectives of this follow-up inspection were to ascertain that the reporting organization had implemented the requirements of 10 CFR Part 21 and had:

916234