

GENERAL CONTROLS

801 Allen Ave., Glendale, Calif. 91201
Telephone (213) 242-6131

REC'D JAN 28 1980

December 7, 1979

Director, Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

The attached notices have been sent to the 13 purchasers of certain of our NH model Milliampere Hydrator Actuators.

The actuators referred to do not qualify as "basic components" since they are not used in the containment area. Moreover, we have not received any notification of a failure of an actuator, installed on a nuclear site, to perform its intended function.

We believe that the safety factors utilized by the users of these actuators is more than sufficient to allow for some reduction in the actuator force output.

In addition, our best knowledge is that the purchasers of these actuators assemble them to their product and test them for performance adequacy prior to nuclear plant installation. If they pass this performance test, our best judgement is that they will continue to function in the same manner.

Although we do not believe this to be a safety related defect, we are notifying the purchasers because we are not aware of all the applications of these actuators.

Sincerely



R. L. Formella, Director
Quality Assurance & Reliability

RLF:mms
Attachment

Q. A. DEPT.
RECEIVED <u>1/29/80 DS</u>
RELEASED _____
HOLD _____

ATTACHMENT 1

REC'D DEC 10 1979



GENERAL CONTROLS

801 Allen Ave., Glendale, Calif. 91201
Telephone (213) 842-6131

December 6, 1979

To: American Warming & Ventilating Inc
1310 Indian Wood Circle
Maumee, Ohio 43537

Attn: Mr. Ray Alley

From: ITT General Controls
801 Allen Avenue
Glendale, California 91201

Subject: Notification of the existence of a defect prepared in
accordance with paragraph 21.21 of 10CFR21, Federal
Register, Vol. 42, No. 108, Monday June 6, 1977.

REPORTING AGENT:

Name: R. L. Formella
Director, Quality Assurance & Reliability

Address: ITT General Controls
801 Allen Avenue
Glendale, California 91201

IDENTIFICATION OF COMPONENT SUPPLIED:

Milliamperé Hydramotor Actuator, certain models of NE91, 92, 93, 94,
95, 96 and 98.

IDENTIFICATION OF SUPPLIER:

ITT General Controls
801 Allen Avenue
Glendale, California 91201

ATTACHMENT 2

NATURE OF DEFECT:

One certain spring, part number 17443A, used in some NH91, 92, 93, 94, 95, 96 and 98 Milliampere Hydramotor Actuators has been discovered to be manufactured from the incorrect material. It does not possess the designed strength and will, upon actuation of a greater than 3" stroke, take a permanent set. This results in a decreased force output of approximately 160# at all compressed positions.

When these aforementioned actuators are subjected to an electrical input control signal of zero, the actuator output does not develop the published force when the output shaft is moved to its full position.

DATE ON WHICH INFORMATION OF DEFECT WAS OBTAINED:

December 5, 1979

CORRECTIVE ACTION:

Internal

1. All defective springs and corresponding actuators have been rejected and placed on hold.
2. All future receipts of the spring, part number 17443A, will be inspected to assure correct characteristics.

External

Materials to correct this condition are available upon notification that the published forces are required in your application.

ADVICE:

If the unit has passed your initial tests and performs its intended function during its normal operation, our investigations support the conclusion that it will continue to function in the same manner because the spring will not exhibit any further loss of force.

ITT GENERAL CONTROLS



R. L. Formella, Director
Quality Assurance & Reliability