

June 5, 1984

United States Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

(312) 790-5500

Attention: Mr. James G. Keppler

Subject: Notification of Problem/Defect
H. B. Robinson Steam Electric Plant
(NRC Report per 10CFR Part 21)

Dear Mr. Keppler:

Baxter Fluid Power (Anker-Holth) was informed by telephone on May 25, 1984 by a Mr. Rick Dayton of Carolina Power and Light (H. B. Robinson Plant), of a potential problem/defect concerning static load rating on Anker-Holth/McDowell Wellman Engineering Part Number 21.12620.008 serial number 001.

Part Number 21.12620.008-001 is one (1) of twelve (12) supplied to EBASCO Services for the H. B. Robinson plant in 1969.

The above part is a hydraulic suppressor (snubber) assembly with a tension and compression load rating of 470,000 pounds (470 Kip).

According to information received from Carolina Power and Light, during a static load test one of the self aligning ball bushings (Torrington part number 30SBB48) failed below the 470 Kip rating at 412,000 pound (412 Kip).

At time of hydraulic suppressor (snubber) manufacture in 1969, the static radial load rating of the Torrington bearing (30SBB48) was 899,000 pounds (899 Kips) and one (1) of the twelve (12) suppressors was tested to, and met the 470,000 pound (470 Kip) bearing specifications.

Subsequent to manufacture, the Torrington bearing (30SBB48) rating has been revised downward to 300,000 pound (300 Kip) static radial load rating.

The safety hazard created by a failure of the self aligning ball bushing is the potential non-functioning of the appropriate suppressor due to critical misalignment from failure.

An additional location with hydraulic suppressors (snubbers) using the Torrington 30SBB48 self aligning ball bushing is Wisconsin Electric Power Company, at the Point Beach nuclear plant. A quantity of twelve (12) suppressors of a 500,000 pound (500 Kip) rating are installed at the above location with an original manufacture date of 1969. These suppressors were manufactured with the



Anker-Holth, 2723 Conner Street, Port Huron, Michigan, U.S.A. 48060 Telephone (313) 985-7181 TWX 810-231-6093

EMG

EMG Accumulators Inc., 2723 Conner Street, Port Huron, Michigan, U.S.A. 48060 Telephone (313) 985-7181 TWX 810-231-6093

VICKROY

Viceroy Fluid Power, 282 Belfield Road, Rexdale, Ontario, Canada M9W 1H5 Telephone (416) 675-7020 Telex 06-989201

8406120480 840605
PDR ADOCK 05000261
S PDR

Divisions of Baxter Technologies Corporation

JUN 7 1984

1E19

Anker-Holth/McDowell Wellman Engineering part number 21.12620.007.

Baxter Fluid Power, Anker-Holth, formerly Anker-Holth/McDowell Wellman Engineering, has withdrawn from the design of new suppressor systems, and only supplies replacement parts for designs of previous manufacture.

As of May 31, 1984 Baxter Fluid Power, Anker-Holth completed the formal conveyance of all design rights, documents, and data to Paul-Munroe Hydraulics, Inc., 1701 West Sequoia, Orange, California 92668 (Contact Mr. John McCabe) 714-978-9600.

Recommend corrective action is to replace the existing Torrington self-aligning ball bushing (30SBB48) of the now existing 300,000 pound static radial load rating, with a new self aligning ball bushing with a static radial load rating exceeding the load rating of the suppressor, using Paul-Munroe Hydraulics part number PA-89467.

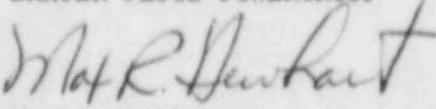
The noted part number PA-89467 is directly and dimensionally interchangeable with the existing bearings.

The length of time to complete the above noted recommended corrective action is estimated at up to one year (twelve months) allowing for sufficient time to procure the replacement parts, schedule the suppressor facility of outage, remove the suppressors from their mountings, de-contaminate as required, replace the bearings, and re-install.

We are currently reviewing our other previous designs and will issue a subsequent report as appropriate per 10 CFR part 21.

Sincerely,

ANKER-HOLTH
BAXTER FLUID POWERGROUP


Max R. Newhart
Vice-President Operations

CC: Director of Inspection
& Enforcement (3 copies)

Paul Munroe Hydraulics, Inc.
1701 West Sequoia
Orange, California 92668
Attn: Mr. John McCabe
(714) 978-9600

FILE

Carolina Power & Light
H. B. Robinson Plant
P. O. Box 790
Hartsville, SC 29550
Attn: Mr. Rick Dayton
(803) 383-4524. Ext. 354

Wisconsin Electric Power Company
Point Beach Nuclear Plant
6610 Nuclear Road
Two Rivers, Wisconsin 54241
Attn: Mr. D. E. Duenkel
(414) 755-2321