

PART 21 IDENTIFICATION NO. 80-328-000 COMPANY NAME Uelan Engineering Company

DATE OF LETTER 11/01/80 DOCKET NO. 80-322; 80-327

DATE DISTRIBUTED 12/10/80 p.m. ORIGINAL REPORT SUPPLEMENTARY

DISTRIBUTION:

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REGIONS I,II,III,IV,V

REGIONS I,II,III,IV,V

VENDOR BR. R-IV

VENDOR BR. R-IV

VENDOR BR. R-IV

LOEB / MPA MNB 5715

NMSS / FCMS SS-396

NRR/DOL

AEOD MNB 7602

LOEB / MPA MNB 5715

NMSS / SG SS-881

NRR/DOE

AEOD MNB 7602

LOEB / MPA MNB 5715

NRR/DSI

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AEOD MNB 7602

NRR/DST

SAP/SP MNB-7210A

ASLBP E/W 450

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CENTRAL FILES 016

CENTRAL FILES 016

CENTRAL FILES (CHRON)

CENTRAL FILES (CHRON)

PDR

CENTRAL FILES SS-396

LPDR

PDR

TERA

LPDR

TERA

CENTRAL FILES 016

CENTRAL FILES (CHRON)

PDR

LPDR

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ACTIC:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

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SE
8012240 127

THIS DOCUMENT CONTAINS POOR QUALITY PAGES

REV. 8/1/80
9/17/80
12/2/80

**Velan
Engineering
Company**

2125 Ward Avenue, Montreal, P.Q., H3M 1T6, CANADA TEL: (514) 740-7743

Mr. Victor Stolle
Director of Inspection and Enforcement
USNRC
WASHINGTON, D.C. 20555

November 9, 1983

SUBJECT: Velan Swing Check Valves

50-322
50-327

Dear Sir:

In accordance with 10 CFR Part 21, we are advising the NRC about two (2) malfunctions involving 4" swing check valves in the Shorham site and 6" swing check valves at the Sequoyah site.

1) 4" Swing Check Valves

A disc hanger jammed in the open position, fouling a machined clearance in the body (Fig. 1).

2) 6" Swing Check Valves

A 6" swing check hanger jammed in the open position due to a disc nut lock-wire jamming against a machined relief in the body (Fig. 2).

Initial Corrective Action:

4" Valves: Velan has supplied modified replacement hangers which preclude the possibility of jamming.

6" Valves: By re-orientating the lock-wire, the possibility of jamming is removed.

3) General Corrective Action:

a) All swing check valve designs have been reviewed to determine the extent of the problem. From layout analysis and physical manipulation of valves "in-house", it has been determined that the problem is not generic, but is a function of an accumulation of the machining tolerances in the above areas. If the valve has been functioning satisfactorily, no corrective action is necessary. The affected valves are 4" and 6" forged swing checks.

b) Velan will identify all customers who have been supplied with valve sizes identified above in paragraph 3(a), and these customers will be informed individually of the possible problems and the proposed solution.

Yours truly,

VELAN VALVE CORPORATION


P. O. Velan, Eng.

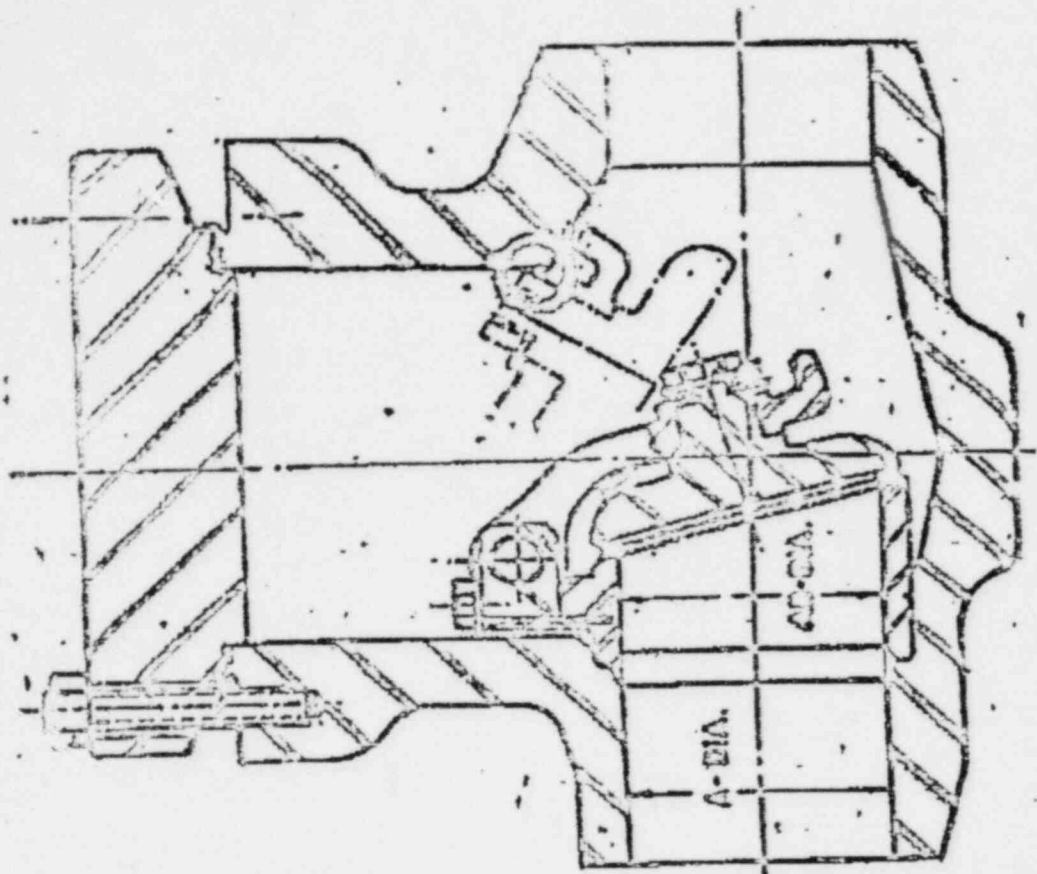


FIGURE 2

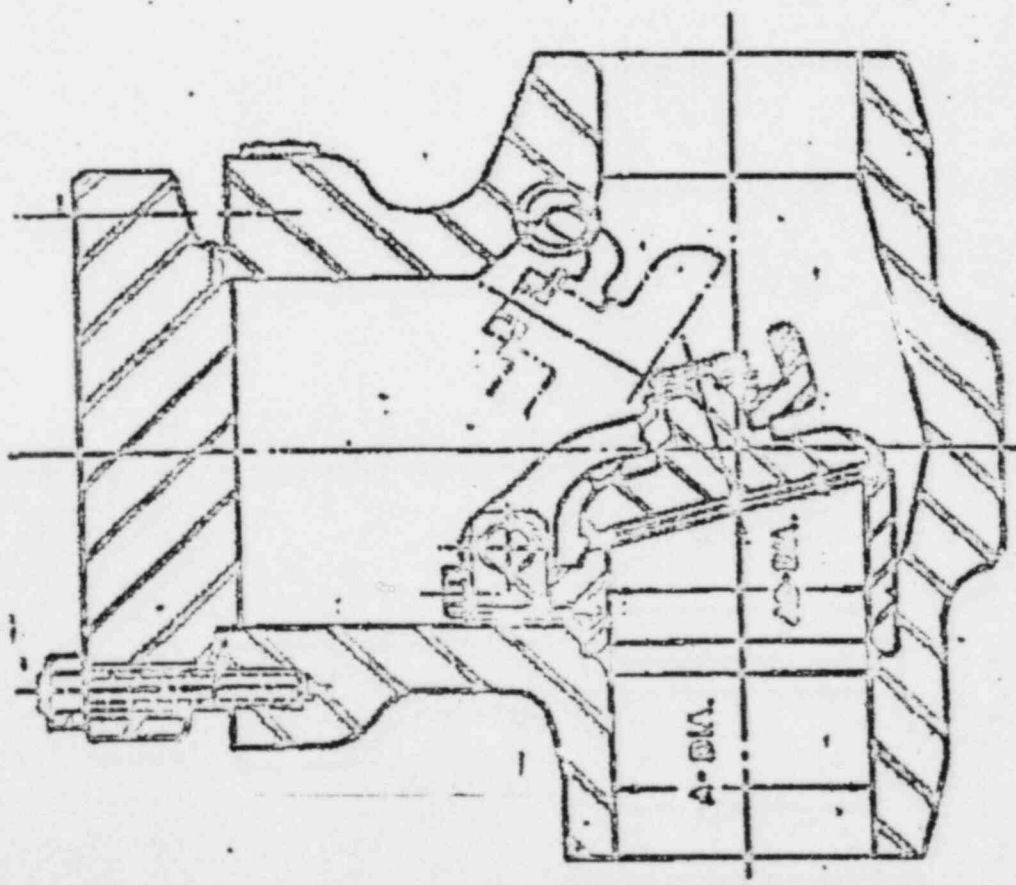


FIGURE 3



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SSINS #6840

OCT 27 1980

MEMORANDUM FOR: E. L. Jordan, Assistant Director for Technical Programs,
Division of Reactor Operations Inspection, IE

FROM: H. A. Wilber, Sr. Reactor Inspection Specialist, Technical
Programs, Division of Reactor Operations Inspection, IE

SUBJECT: PART 21 REPORT FROM VELAN VALVE

On October 23, 1980 at 11:15 a.m., Mr. John Farrell requested a mailing address for a Part 21 Report. Velan Valve is going to submit a report on October 23, 1980 about a deficiency in two types of swing check valves; the valves jam in the open position. Velan was informed of the deficiencies by their customers - Shoreham (4inch valve) and Sequoyah (6 inch valve). Velan is presently reviewing records to determine the extent of the deficiency.

Howard A. Wilber
Howard A. Wilber, Sr. Reactor
Inspection Specialist
Technical Programs
Division of Reactor Operations Inspection

cc: G. C. Gower, IE