

New
Head
Office

VELAN Inc.

7007 Côte de Liesse
Montreal, Quebec
Canada H4T 1G2

Tel: (514) 748-7743
Fax: (514) 748-8635
Web: www.velan.com

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VELAN

February 04, 2000

Ref. No.: BNL000202-02

United States Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Attn: Mr. Jim Wiggins

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

Yoke was returned to Velan for examination of the cracked area. An MT was performed together with a full visual inspection. No linear indications were found in the area of the break, nor anywhere else on the Casting. Since this valve is equipped with an Air Operator, we believe that the break may have occurred as a result of metal fatigue due to weight of the Actuator as well as systems vibrations.

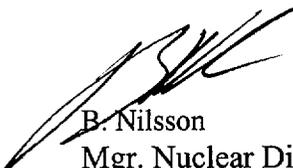
Additionally, valves using the Bayonet style Yoke were designed and manufactured during the period when Codes and standards did not define this part as being pressure retaining. The Code Interpretation #III-1-86-58, which clarified this, was issued in 1986. As a result MT was not performed nor were CMTR provided for the Yoke. We discontinued production of Nuclear valves, using this design around 1974.

Our record indicates that we may have furnished Pressure Seal valves, which have the Bayonet style Yoke, to your facility. As a precaution, we recommend that Pressure Seal valves using this style of Yoke be inspected at your convenience. Should you detect any cracks anywhere on the Yoke, we request you pass your finding on to us for further action.

We trust this meets with your acceptance. Should additional assistance be required, please do not hesitate to contact us, we remain

Sincerely yours,

Velan Valve Corp.


B. Nilsson
Mgr. Nuclear Div.

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VELAN

February 04, 2000

Ref. No.: BNL000202-01

Southern Nuclear Operating Co.
42 Inverness Parkway
Birmingham, AL 35242

Attn: Mr. W. Smallwood
Mail Code: BIN 016

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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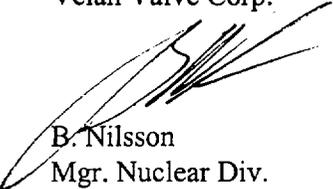
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Sincerely yours,

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B. Nilsson
Mgr. Nuclear Div.
c.c. US NRC

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VELAN

February 04, 2000

Ref. No.: BNL000202-12

Southern Nuclear
40 Inveress Parkway
P.O. Box 1295
Birmingham, Alabama
35242

Attn: Mr. L. Robertson

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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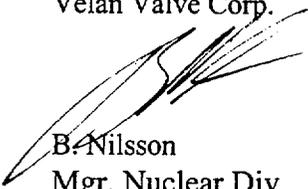
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VELAN

February 04, 2000

Ref. No.: BNL000202-03

Tennessee Valley Authority
Browns Ferry Nuclear
P.O. Box 2000
Decatur, AL 35609-2000

Attn: Mr. C. Alan Looney

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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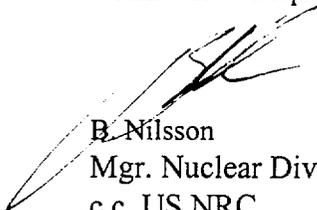
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Mgr. Nuclear Div.
c.c. US NRC

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VELAN

February 04, 2000

Ref. No.: BNL000202-04

Niagara Mohawk Power Corp.
Nine Mile Point
P.O. Box 63
Lycoming, N.Y.
13093

Attn: Mr. Richard Appa, Procurement Eng.

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

Yoke was returned to Velan for examination of the cracked area. An MT was performed together with a full visual inspection. No linear indications were found in the area of the break, nor anywhere else on the Casting. Since this valve is equipped with an Air Operator, we believe that the break may have occurred as a result of metal fatigue due to weight of the Actuator as well as systems vibrations.

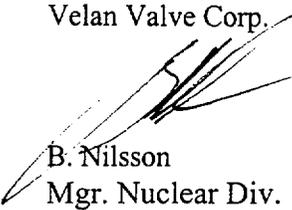
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Sincerely yours,

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B. Nilsson
Mgr. Nuclear Div.
c.c. US NRC

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VELAN

February 04, 2000

Ref. No.: BNL000202-05

Entergy Operations
Pilgrim Station -- Support Building
600 Rock Hill Road
Plymouth, MA
02360

Attn: Mr. Raymond Pace, Mechanical Systems Mgr

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

Yoke was returned to Velan for examination of the cracked area. An MT was performed together with a full visual inspection. No linear indications were found in the area of the break, nor anywhere else on the Casting. Since this valve is equipped with an Air Operator, we believe that the break may have occurred as a result of metal fatigue due to weight of the Actuator as well as systems vibrations.

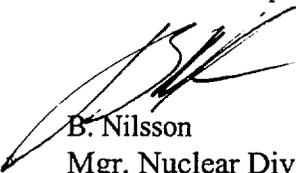
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Sincerely yours,

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B. Nilsson
Mgr. Nuclear Div.
c.c. US NRC

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VELAN

February 04, 2000

Ref. No.: BNL000202-06

Northeast Nuclear
Millstone Nuclear Power Station
P.O. Box 128
Waterford, CT
06385-0128

Attn: Mr. Steve Sheehan

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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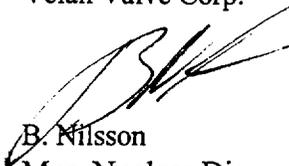
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Sincerely yours,

Velan Valve Corp.



B. Nilsson
Mgr. Nuclear Div.
c.c. US NRC

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VELAN

February 04, 2000

Ref. No.: BNL000202-07

New York Power Authority
J.A. Fitzpatrick Nuclear Plant
P.O. Box 41
Lycoming, N.Y.
13093

Attn: Mr. Michael Colomb

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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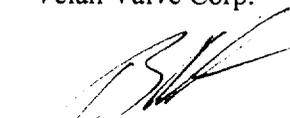
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Mgr. Nuclear Div.
c.c. US NRC

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VELAN

February 04, 2000

Ref. No.: BNL000202-08

Duke Energy Company
Oconee Power Station
P.O. Box 219
Seneca, SC
29679

Attn: Mr. Phillip Bowers

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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Sincerely yours,

Velan Valve Corp.



B. Nilsson
Mgr. Nuclear Div.
c.c. US NCR & SNM Inc.

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VELAN

February 04, 2000

Ref. No.: BNL000202-09

Florida Power & Light (Turkey Point)
6453 South Ocean Drive
Jensen Beach, Florida
34957

Attn: Mr. B.W. Lynch

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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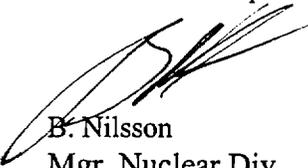
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c.c. US NRC

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VELAN

February 04, 2000

Ref. No.: BNL000202-10

Consumers Energy
Palisades Plant
27780 Blue Star Memorial Highway
Covert, Michigan
49043

Attn: Mr. Tom Saarela

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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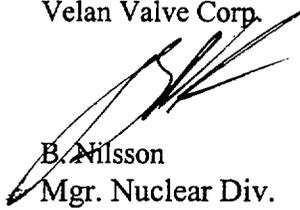
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VELAN

February 04, 2000

Ref. No.: BNL000202-11

Niagara Mohawk
Nine Mile Point, Unit 2
P.O. Box 63
Lycoming, N.Y.
13093

Attn: Mr. Dennis Weaver, Mechanical Eng.

Subject: 3" P.S. Yoke Failure

Gentlemen,

Alabama Power, Farley Plant, experienced a problem with a 3" Air Operated Pressure Seal Gate valve, using the Bayonet style Yoke. The Yoke arms on this particular valve broke in the top section of the arms.

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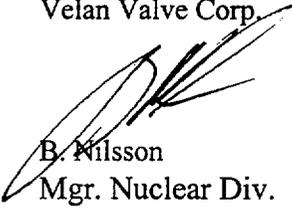
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