

General Information or Other (PAR)

Event # 44836

Rep Org: FISHER CONTROLS INTERNATIONAL		Notification Date / Time: 02/06/2009 15:54 (EST)	
Supplier: FISHER CONTROLS INTERNATIONAL		Event Date / Time: 02/06/2009 (CST)	
Last Modification: 02/06/2009			
Region: 3		Docket #:	
City: MARSHALLTOWN		Agreement State: Yes	
County:		License #:	
State: IA			
NRC Notified by: MATTHEW FARRELL		Notifications: MARK RING	R3
HQ Ops Officer: VINCE KLCO		HAROLD GRAY	R1
Emergency Class: NON EMERGENCY		STEVEN RUDISAIL	R2
10 CFR Section:		JEFF CLARK	R4
21.21	UNSPECIFIED PARAGRAPH	OMID TABATABAI-EMAIL	NRO
		TOM HERRITY-EMAIL	NRR

PART 21 REPORT - DEFECTIVE ASME SA-193, GRADE 6 CAP SCREW MATERIAL

The following information was obtained from Fisher Controls International via facsimile:

Fisher Information Notice (FIN 2009-01, dated February 2, 2009) was issued to notify customers of an issue reported to Fisher by Duke Energy.

"[Fisher has] informed [their] customers of record of this circumstance in accordance with 21.21 (b) of 10CFR21 because Fisher Controls International LLC, is not aware of each and every application or system design and cannot determine whether an anomaly could cause a defect or "failure to comply," relating to a substantial safety hazard. In particular, this Information Notice deals with customer orders that used improperly heat treated cap screws provided by Texas Bolt Company (Texas Bolt Order 204653, Certified by Texas Bolt Company, April 20, 1987). Receipt of this notice does not necessarily mean that the recipient has been shipped any of the subject equipment. It is expected that the recipients of this notice will review the information for applicability to their facilities, and if required, take the appropriate action as described in the section at the end of this notice.

"This notice applies only to customer orders processed by Posi-Seal International that used the 100 quantity lot of hex head cap screws identified by Texas Bolt Company Material Certification Report Number 001.87-1758, certified by Texas Bolt Company, April 20, 1987.

"Fisher was informed by Duke Energy that there have been failures of ASME SA-193 Grade B6 hex head cap screws at the Catawba Nuclear Station. These bolts are used on various size Posi-Seal butterfly valves to maintain a pressure seal on the outboard side of the valve body. Failure of these bolts will impair the pressure

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retaining capability of the valve body.

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"Based on the experiences at Duke Energy, it is possible that a defective batch of cap screws were used by Posi-Seal around 1987. Fisher Controls International has attempted to determine a complete list of valve serial numbers that may have used bolts from this particular lot. Unfortunately, Fisher Controls International's review of available Posi-Seal records cannot provide validation of its completeness.

"It is recommended that customers verify if the QA documentation package, provided with the valve, contains a copy of the cap screw material certification attached to this information notice. If so, Fisher Controls International recommends that the subject cap screws be replaced.

"Fisher Controls requests that the recipient of this notice review it and take appropriate action in accordance with 10CFR21.

"If there are any technical questions or concerns, contact:

Michael Wedemeyer
Manager, Quality
Fisher Controls International LLC
205 South Center Street
Marshalltown, IA 50158
Fax: (641) 754-2854
Phone: (641) 754-2066
Michael.Wedemeyer@.Emerson.com"

Possible domestic constructions with defective cap screw material (Posi-Seal part number 131550, drawing number 5200-001) include McGuire, Catawba and Indian Point.



Facsimile

301 South First Ave
Marshalltown, IA 50158

T 641-754-2688
F 641-754-2645

To: NRC Operations Center

Fax: 301-816-5151

Dave A. Suk

From: Director, Quality Valves Worldwide

Date: January 27, 2009

Pages: 5
(Incl cover)

Attached is a copy of the Nuclear FIN Notice - FIN 2009-01 issued February 2, 2009 and released to customers on February 6, 2009 from Emerson Process Management - Fisher Controls International LLC.

For questions please contact – Matthew Farrell
QA Manager
Codes & Standards
641-754-2381



Fisher Controls International LLC
205 South Center Street
P.O. Box 190
Marshalltown, Iowa 50158-0190
USA
T (641) 754-3011
F (641) 754-2830

Fisher Information Notice: FIN 2009-01

February 2, 2009

Subject: Defective ASME SA-193, Grade 6 Cap Screw Material (Posi-Seal Part No. 131550, Drawing Number 5200-001)

From:

Bill Fitzgerald
Nuclear Business Unit Vice President
Fisher Controls International LLC
205 South Center Street
Marshalltown, IA 50158
Fax: (641) 754-2854

Equipment Affected By This Information Notice:

ORDERS PROCESSED BY POSI-SEAL INTERNATIONAL THAT USED GASKET RETAINER HEX HEAD CAP SCREWS PROVIDED BY TEXAS BOLT COMPANY ORDER 204653 (POSI-SEAL PART NUMBER 131550, DRAWING NUMBER 5200-001)

Purpose:

The purpose of this Fisher Information Notice (FIN) is to notify customers of an issue reported to us by Duke Energy.

We have informed our customers of record of this circumstance in accordance with 21.21 (b) of 10CFR21 because Fisher Controls International LLC, is not aware of each and every application or system design and cannot determine whether an anomaly could cause a defect or "failure to comply," relating to a substantial safety hazard. In particular, this Information Notice deals with customer orders that used improperly heat treated cap screws provided by Texas Bolt Company (Texas Bolt Order 204653, Certified by Texas Bolt Company, April 20, 1987).

Receipt of this notice does not necessarily mean that the recipient has been shipped any of the subject equipment. It is expected that the recipients of this notice will review the information for applicability to their facilities, and if required, take the appropriate action as described in the section at the end of this notice.

Applicability:

This notice applies only to customer orders processed by Posi-Seal International that used the 100 quantity lot of hex head cap screws identified by Texas Bolt Company Material Certification Report Number 001.87-1758, Certified by Texas Bolt Company, April 20, 1987 (copy attached).



Fisher Information Notice: FIN 2009-01**Description of Possible Concern:**

Fisher was informed by Duke Energy that there have been failures of ASME SA-193 Grade B6 hex head cap screws at the Catawba Nuclear Station. These bolts are used on various size Posi-Seal butterfly valves to maintain a pressure seal on the outboard side of the valve body. Failure of these bolts will impair the pressure retaining capability of the valve body.

Discussion:

Based on the experiences at Duke Energy, it is possible that a defective batch of cap screws were used by Posi-Seal around 1987. Fisher Controls International has attempted to determine a complete list of valve serial numbers that may have used bolts from this particular lot; and there is an attached list of valve serial numbers that might have used this material. Unfortunately, Fisher Controls International's review of available Posi-Seal records cannot provide validation of its completeness.

Action Required:

- It is recommended that customers use the attached list of serial numbers and verify if the QA documentation package, provided with the valve, contains a copy of the cap screw material certification attached to this information notice. If so, Fisher Controls International recommends that the subject cap screws be replaced.

10CFR21 Implications:

Fisher Controls requests that the recipient of this notice review it and take appropriate action in accordance with 10CFR21.

If there are any technical questions or concerns, please contact:

Michael Wedemeyer
Manager, Quality
Fisher Controls International LLC
205 South Center Street
Marshalltown, IA 50158
Fax: (641) 754-2854
Phone: (641) 754-2066
Michael.Wedemeyer@Emerson.com

Fisher Information Notice: FIN 2009-01**Possible Constructions with POSI-SEAL PART NUMBER 131550, DRAWING NUMBER 5200-001**

Posi-Seal Dwg/Ref Number	Customer Order Number	Utility	Plant	Serial Number	Tag Number
40599-01	C-39951	Duke Energy	McGuire	40599-1A	02B-589
40599-01	C-39951	Duke Energy	McGuire	40599-1B	02B-569
40599-01	C-39951	Duke Energy	McGuire	40599-1C	02B-569
40599-01	C-39951	Duke Energy	McGuire	40599-1D	02B-569
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-1A	2B-570
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-3A	2B-570
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-3B	2B-570
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-3C	2B-570
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-3D	2B-570
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-3E	2B-570
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-3F	2B-570
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-3G	2B-570
40846-01	C-39951-13-22	Duke Energy	Catawba	40846-3H	2B-570
40846-08	C-39951-13-23	Duke Energy	Catawba	40846-8A	2B-572
40846-08	C-39951-13-23	Duke Energy	Catawba	40846-8B	2B-572
40846-08	C-39951-13-23	Duke Energy	Catawba	40846-8C	2B-572
42663-01	N61420-13	Duke Energy	Catawba	42663-1A	2B-573
42663-01	N61420-13	Duke Energy	Catawba	42663-1B	2B-573
42663-01	N61420-13	Duke Energy	Catawba	42663-1C	2B-573
42663-01	N61420-13	Duke Energy	Catawba	42663-1D	2B-573
42663-01	N61420-13	Duke Energy	Catawba	42663-1E	2B-573
42663-01	N61420-13	Duke Energy	Catawba	42663-1F	2B-573
42663-01	N61420-13	Duke Energy	Catawba	42663-1G	2B-573
42663-01	N61420-13	Duke Energy	Catawba	42663-1H	2B-573
42663-01	N61420-13	Duke Energy	Catawba	42663-1I	2B-573
42663-02	N61420-13	Duke Energy	Catawba	42663-2A	2B-574
42663-02	N61420-13	Duke Energy	Catawba	42663-2B	2B-574
42663-02	N61420-13	Duke Energy	Catawba	42663-2C	2B-574
42663-02	N61420-13	Duke Energy	Catawba	42663-2D	2B-574
42663-02	N61420-13	Duke Energy	Catawba	42663-2E	2B-574
41313-01	87-GF2-1308	Taiwan Power	Maanshan	41313-1	87-GF2-1308 PO Item No. 4
41313-04	87-GF2-1308	Taiwan Power	Maanshan	41313-4	87-GF2-1308 PO Item No. 8
41313-06	87-GF2-1308	Taiwan Power	Maanshan	41313-6	87-GF2-1308 PO Item No. 11
41313-13	87-GF2-1308	Taiwan Power	Maanshan	41313-13	87-GF2-1308 PO Item No. 22
44039-01	8693178	Entergy Nuclear Northeast	Indian Point	44039-1	8693178, 80043300, 186-3018

Fisher Information Notice: FIN 2009-01

TEXAS BOLT COMPANY

Manufacturers of Industrial Fasteners

PHONE: 869-7111
AREA CODE 7133233 WEST 17TH ST. • P.O. BOX 1211
HOUSTON, TEXAS 77251-1211

CABLE: "TEXBOLT"

APRIL 20, 1987

POST-SEAL INTERNATIONAL, INC.
ROUTES 49 & US 95
NORTH STONINGTON, CT 06359Gasket Retainer Bolts
Mill Power Supply Co. PO# C39951-13-023
Item 01

YOUR ORDER NO: 12208 (204653)

Item 7

Gentlemen:

We hereby certify that the Bolts, on your above order were produced, inspected, and/or tested in accordance with ASME SA193 GRADE B6, specifications. These products meet all applicable requirements.

"ALL MATERIAL IS OF U.S. ORIGIN AND MANUFACTURE."

"ALL MATERIAL IN ACCORDANCE WITH ASME SA614-83."

"VISUAL INSPECTION PER SA614-83 PARA. RU." "ALL MATERIAL IN MANUFACTURED IN ACCORDANCE WITH TEXAS BOLT COMPANY'S CONTROL MANUAL, REV. 7, DATED 4-26-83." "MATERIAL IS IN ACCORDANCE WITH ASME SECTION III, CLASS 2, 1986 EDITION NO ADDENDA."

QA APPROVED
MATERIAL CONFORMS TO
ASME SECT II & III DIV. 1
1974 EDITION W74 ADD
BY B. Huisk DATE 2-28-87

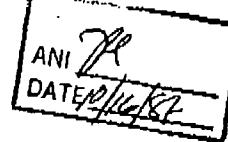
Very truly yours,

Blanca E. Benavides
Level III Inspector

EJC/es

State of Texas
County of Harris

Subscribed and sworn to before me this 20TH day of
APRIL 1987



POST-SEAL
Q.A. APPVD.
BY BPW
DATE 4-30-87

Blanca E. Benavides
Notary public in and for Harris County, Texas.
My commission expires May 31, 1989

ALL AGREEMENTS CONTINGENT UPON STRIKES, ACCIDENTS AND OTHER DELAYS UNAVOIDABLE OR BEYOND OUR CONTROL

FISHER



TEXAS BOLT COMPANY																
FOR: POSI-SEAL INTERNATIONAL, INC.				P. O. BOX 1211				REPORT No. 001. 82-1758								
CUSTOMER P.O. No. 12208				HOUSTON, TEXAS 77251-1211				SPECIFICATIONS: ASME SA193 GRADE B6								
TEXAS BOLT ORDER No. 204653				REPORT OF PHYSICAL AND CHEMICAL TESTS												
4/20/87 ES																
ITEM	Description	Material	Quantity	No. Pcs. Tested	Step Block Tensile	Ultimate Tensile PSI	Yield Strength 2% Elong	RA, %	Hardness	Minimum Tempering Temperature						
001.	FINISHED HEX HEAD BOLTS 3/8" x 1-1/4" PER DNG. 5200-001 PART NO. 131550	410	100	3		134,000	118,000	22.3	62.4	1100°F.						
"ALL MATERIAL IS OF U.S. ORIGIN AND MANUFACTURE." "ALL MATERIAL IN ACCORDANCE WITH ASME SA614-83." "VISUAL INSPECTION PER SA614-83 PARA. RU." "ALL MATERIAL IS MANUFACTURED IN ACCORDANCE WITH TEXAS BOLT COMPANY'S CONTROL MANUAL, REV. 7, DATED 4-26-83." "MATERIAL IS IN ACCORDANCE WITH ASME SECTION III, CLASS 2, 1986 EDITION NO ADDENDA."						Gasket Retainer Bolts Mill Power Supply Co. 70# C39751-13-023 Item 01 item 7										
Item No.	Visual Inspection			Heat Number	C	Mn	Si	S	P	Cr	Ni	Mo	V			
001.	No. Tested	Accepted	Rejected													
	100	100	0	8640064	.130	.54	.24	.005	.019	12.00						
INSPECTOR EVALUATION APPROVED BY: EDWARD J. CHARANZA, LEVEL III INSPECTOR					QA APPROVED MATERIAL CONFORMS TO ASME SECT II & III DIV. 1 18 74 EDITION WITH ADD BY B.Y.W. DATE 7-18-87											
STATE OF TEXAS COUNTY OF HARRIS																
Subscribed and sworn to before me this 20TH day of APRIL 1987 Blanca E. Benavides Notary Public in and for Harris County, Texas. My commission expires 11 Nov 31, 1991																
POSI - SEAL Q.A. APPVD. BY B.P.W. DATE 4-30-87																
certify the above results to be correct as contained in the records of the company.																