

Part 21 (PAR)

Event # 46655

Rep Org: FISHER CONTROLS INTERNATIONAL	Notification Date / Time: 03/04/2011 12:53 (EST)
Supplier: FISHER CONTROLS INTERNATIONAL	Event Date / Time: 02/25/2011 (CST)
	Last Modification: 03/04/2011
Region: 3	Docket #:
City: MARSHALLTOWN	Agreement State: Yes
County:	License #:
State: IA	
NRC Notified by: DENNIS SWANSON	Notifications: KENNETH RIEMER R3DO
HQ Ops Officer: JOHN KNOKE	MALCOLM WIDMANN R2DO
Emergency Class: NON EMERGENCY	PART 21 GROUP
10 CFR Section:	
21.21	UNSPECIFIED PARAGRAPH

PART 21 - ERROR IN VALVE BODY DRAWING

The purpose of this Fisher Information Notice (FIN) is to alert Duke Energy that as of February 25, 2011, Fisher Controls International LLC became aware of the possibility of a situation which may affect the performance of the applicable equipment provided to McGuire Nuclear Station. Specifically, an error was discovered on valve body drawing V112298, when, during a revision process on Revision B of the drawing, a dimension was omitted that set the depth of the valve shaft bearing bore. This error resulted in a greater possible variation of bearing position in the valve shaft bore. If the error was large, the valve could not be assembled which was not the case for these valves. The valves assembled without incident and passed the operational testing, including a seat leakage test, with no anomalies. In the case that the bearing position error was slight, it is possible that the seal and disc could experience more wear than normal and increased leakage would result. Because these valves are equipped with manual operators, Fisher expects that these valves will not be cycled enough to experience any of the potential problems described above.

This equipment included NPS 4, Class 150, Fisher Type A11 Butterfly Valve Assemblies equipped with Fisher Leverlock Manual Actuators. The NPS 4, A11 is a butterfly valve that uses internal bearings (located on either side of the disc) to provide a radial wear surface for shaft rotation and also serve as a centering system for the disc in the waterway. Centering of the disc is accomplished with a wear surface on the end of the bearings adjacent to the side of the disc. Lateral positioning of the disc is accomplished by controlling the length of the bearings and the depth of the bored holes in the body that accept the bearings.

Fisher has revised the drawings to ensure that this issue is corrected.

IE19
NRR



Fisher Controls International, LLC.
205 South Center Street
P.O. Box 190
Marshalltown, Iowa 50158-0190
USA
T (641) 754-3011
F (641) 754-2688

March 4, 2011

Duke Power
526 South Church Street
Charlotte, NC 28201-1006

Attn: Frank Krauss
OE Assessment Manager / NAIE

To Whom It May Concern:

Attached is a Fisher Information Notice (FIN), FIN 2011-01, specifically, an error was discovered on valve body drawing V112298, when, during a revision process on Revision B of the drawing, a dimension was omitted that set the depth of the valve shaft bearing bore.

Emerson Process Management – Fisher Valves complies with the reporting requirements of 10 CFR Part 21 by informing U.S. Nuclear Regulatory Commission Licensees or Purchaser of deviations or failures to comply.

We are distributing this notice to alert Duke Power of a possible deviation, which may affect our customer's safety – related application of this equipment.

Emerson Process Management – Fisher Valves is not aware of each and every application or system design and can not determine whether this anomaly could cause a defect or "failure to comply", relating to a substantial safety hazard.

Please review the attached FIN notice for applicability to your facility.

A handwritten signature in black ink, appearing to read 'Dennis Swanson'.

Dennis Swanson
Director, Quality
Valve Division – Americas

Attachments

CC: Rep: R.E. Mason – Ray Young / Lou Kozar
J. Sankovitch
B. Fitzgerald

This notice has been sent to the 10CFR Part 21 Contact that we have listed for your facility. If this contact information has changed, please mark up the address and contact information on this letter and fax it to Trish Crosser at Fisher Controls (641) 754-2688 or email the updated information to trish.crosser@emerson.com.





Fisher Controls International LLC
301 South First Ave.
P.O. Box 190
Marshalltown, Iowa 50158-0190
USA
T (641) 754-3011
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Fisher Information Notice: FIN 2011-01

**Subject: Fisher Order 033-B800197176 Items 0001-0005 for Duke Energy –
McGuire Nuclear Station**

From:

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

Equipment Affected By This Information Notice:

Items provided to Duke Energy per Fisher Order Number 033-B800197176, Items 0001-0005 (Duke Energy Order 00132960). This equipment included NPS 4, Class 150, Fisher Type A11 Butterfly Valve Assemblies equipped with Fisher Leverlock Manual Actuators. The equipment is identified by Fisher Serial Numbers 1948499, 19490129, 19490130, 19490131, 19490132 (Duke Tag Number 05B-836).

Purpose:

The purpose of this Fisher Information Notice (FIN) is to alert Duke Energy that as of February 25, 2011, Fisher Controls International LLC became aware of the possibility of a situation which may affect the performance of the applicable equipment.

We are informing you of this circumstance in accordance with Section 21.21(b) of 10CFR Part 21.

Applicability:

This notice applies only to the subject equipment supplied by Fisher Controls International LLC, identified above, that was provided to Duke Energy – McGuire Nuclear Station.



Fisher Information Notice: FIN 2011-01

Discussion:

The NPS 4, A11 is a butterfly valve that uses internal bearings (located on either side of the disc) to provide a radial wear surface for shaft rotation and also serve as a centering system for the disc in the waterway. Centering of the disc is accomplished with a wear surface on the end of the bearings adjacent to the side of the disc. Lateral positioning of the disc is accomplished by controlling the length of the bearings and the depth of the bored holes in the body that accept the bearings.

Specifically, an error was discovered on valve body drawing V112298, when, during a revision process on Revision B of the drawing, a dimension was omitted that set the depth of the valve shaft bearing bore. This error resulted in a greater possible variation of bearing position in the valve shaft bore. If the error was large, the valve could not be assembled which was not the case for these valves. The valves assembled without incident and passed the operational testing, including a seat leakage test, with no anomalies. In the case that the bearing position error was slight, it is possible that the seal and disc could experience more wear than normal and increased leakage would result.

Because these valves are equipped with manual operators, Fisher expects that these valves will not be cycled enough to experience any of the potential problems described above.

Fisher has revised the drawings to ensure that this issue is corrected.

Action Required

No action is required.

10CFR21 Implications:

Fisher Controls requests that the recipient of this notice review it and take appropriate action in accordance with 10CFR Part 21.

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

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