Ingersoll-Dresser Pump Company

Engineered Pump Group

942 Memorial Parkway
Phillipsburg, NJ 08865

50-482

June 4, 1996

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Attn: NRC Operations Center
Fax: (301) 816-5151

Subject: Potential 10CFR Part 21 Notification from Energy & Process Corporation

On May 17th, I received a phone call from Ed Thorton, Quality Assurance Representative from Energy & Process Corporation, 21246-B Flintstone Drive, Tucker, Georgia 30084-5000, who informed us of a potential 10CFR21 notification. The issue involves capscrews with a trace code of K7 that were manufacturer by Cardinal Industries (now known as Accutech), 3873 West Oquendo, Las Vegas, Nevada 89118-3098 and distributed by Energy & Process Corporation. These capscrews were from two (2) lots of material whereby, out of 71 pieces hardness tested, six (6) pieces failed.

On 10-4-94 Ingersoll-Dresser Pump Company (IDP) ordered four (4) 1" X 3.25" capscrews from Energy & Process Corporation. We received the 1" X 3.25" capscrews with heat code K7, heat number 8866807, I.D. MR# 77767-1 which were shipped directly from Cardinal Industries to IDP. We used those capscrews on Wolf Creek Order Number 554937 for a charging pump S/N 0194012 which was shipped early 1995.

After evaluation of the capscrews by IDP's Engineering Department, it was determined that the pump/motor would remain operational throughout the worst case failure mode. I have attached my 21 MY 96 letter to Wolf Creek and also a copy of Ingersoll-Dresser Pump's Engineering Analysis of the capscrews dated 30 MY 96.

If you wish to call me concerning any of the above information, please feel free to do so. I can be reached at (908) 859-7603.

Yours truly,

Greg Young
Quality Systems Supervisor
Quality Assurance Dept.

GHY:sla

Attachments:

CC: R. Cornman, Functional Engineering
J. Frank, Aftermarket
R. A. Hendricks, Mgr. Quality Assurance
W. Parry, Jr., Functional Engineering
R. Rajeski, V.P. & G.M.
K. Schumann, Aftermarket
T. Wotring, Mgr. Engineering

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INTERNAL CORRESPONDENCE

To: Greg Young

c2 : R. E. Cornman
T. L. Wotring

From: Bill Parry, Jr.

Date: 30 May 1996

Subject: (4) 1" x 3.25" Capsrews
Wolf Creek Charging Pump
IDP Model 2x10CAM-12

Ingersoll-Dresser Pump Company

Ref : Your 21 May 1996 Letter
to Wolf Creek

The 1" x 3.25" capscrews supplied by Cardinal Industries and distributed by Energy & Process Corporation (IDP PO 0000077767) were used as motor mounting bolts for the 2x10CAM charging pump. Under normal circumstances, the only load on these bolts is from installation torque resulting in a stress value which is less than 20% of the material's specified yield strength.

The motor mounting bolts are not subjected to any operational or design loads, except during a seismic event. However, the magnitude of this loading should not be sufficient enough to induce bolt failure. However, if bolt failure were to occur, the worse case scenario would be two of the four motor mounting bolts failing during a seismic event. This scenario would not results in any damage to the pump or it's pressure boundary components. The pump/motor would remain operational throughout this worse case failure mode.

Based on the above, no immediate actions are required. Unless they fail during installation these bolt should last indefinitely. As a precau n, the next time the motor is removed from the pump baseplate these bolts should be replaced.

Ingersoll-Dresser Pump Company

Engineered Pump Group

942 Memorial Parkway
Phillipsburg, NJ 08865

21 MY 96

Wolf Creek Nuclear Operating Corporation
1550 Oxen Lane
Burlington, KS 66839

Attn: Quality Assurance Manager

Reference:

Charging Pump S/N:	0194013
IDP Order No.:	002-3890
Wolf Creek Order No.:	554937
National Board No.:	964

We received a phone call on May 17th from Ed Thorton, Quality Assurance Representative from Energy & Process Corporation, who informed us of a potential 10CFR21 notification. The issue involves capscrews with a trace code of K7 that were manufactured by Cardinal Industries and distributed by Energy & Process Corporation. These capscrews were from two (2) lots of material whereby, out of 71 pieces hardness tested, six (6) pieces failed.

On 10-4-94 Ingersoll-Dresser Pump had ordered four (4) 1" X 3.25" screws from Energy & Process Corporation on purchase order 0000077767 (copy attached). We received the 1" X 3.25" screws shipped direct from Cardinal and used them on Wolf Creek Order 554937 for a Charging Pump, S/N 0194012, which was shipped to you early in '95.

Attached for your review is a copy of the purchase order to Energy & Process Corporation, a copy of the NPV-1 form for pump S/N 0194012, the Cardinal M.T.R. for heat code K7, and the data from Energy & Process Corporation.

Yours truly,

Greg Young
Quality Systems Supervisor
Quality Assurance Dept.

GHY:sla

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R. Hendricks, QA Mgr.
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