



BW/IP International, Inc.

Byron
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Pumps

United
Centrifugal*
Pumps

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27 June, 1994

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

Reference: NRC #27435

Gentlemen:

This letter transmits Revision A to the Notification of Defects and Nonconformance in accordance with the requirements of 10 CFR, Part 21. The attached Notification, CFRN 9402(Rev A), clarifies information provided in the original transmittal. All changes and additions have been marked with under lining and by an asterisk in the margin.

This transmittal completes the notification requirements on this issue.

Very truly yours,

D.A. Gibson
Manager, Nuclear Products Operations

Attach.

cc: Mr. F.J. Costanzo, Manager of Engineering
Mr. K.D. Ham, Manager of Quality
Mr. K.A. Huber, Chairman, Part 21 Evaluation Board
Mr. W.A. Klenner, Product Manager
Mr. K.B. Lemmon, Manager, Field Service Operations

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NOTIFICATION OF A REPORTABLE
ISSUE PURSUANT TO 10 CFR 21

DATE: 27 June 1994

TO: U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555

NAME AND ADDRESS OF INDIVIDUAL INFORMING THE COMMISSION:

Mr. David Gibson
BW/IP International, Inc.
Pump Division
2300 East Vernon Avenue
Vernon, CA 90058
(213) 587-6171

For Technical Information Contact: Dr. Kent Huber
BW/IP Evaluation No. CFR 94-003

IDENTIFICATION OF THE FACILITY, THE ACTIVITY, OR THE BASIC COMPONENT SUPPLIED FOR
SUCH FACILITY OR ACTIVITY WITHIN THE UNITED STATES WHICH FAILS TO COMPLY OR
CONTAINS A DEFECT:

Basic Component:	Replacement seals for valve hydraulic operator accumulators and cylinders. Part numbers 90433-011, 90433-015, 90433-017, 90433-025, 90433-027, <u>90433-013</u> , <u>90433-014</u> , <u>90433-018</u> .	*
	<u>Part number 90433-041 is not affected.</u>	*

IDENTIFICATION OF THE FIRM SUPPLYING THE BASIC COMPONENT WHICH FAILS TO COMPLY OR
CONTAINS A DEFECT:

BW/IP International, Inc.
Pump Division
Successor to:

BW/IP International, Inc.
Fluid Controls Division
Successor to:

Borg-Warner Nuclear Valve Division
7500 Tyrone Avenue
Van Nuys, CA 91409

NATURE OF THE DEFECT OR FAILURE TO COMPLY AND THE SAFETY HAZARD WHICH IS CREATED OR COULD BE CREATED BY SUCH DEFECT OR FAILURE TO COMPLY:

Seals supplied were Lubrithane (Polyurethane) with a Nitrile spring. Correct material is a fluorocarbon (Viton) seal with a fluorocarbon (Viton) spring.

The polyurethane and Nitrile materials have not been qualified for use with Fyrquel 220 MLT or Brayco 853 hydraulic fluids. Both materials are known to degrade when in contact with Fyrquel 220 MLT hydraulic fluid. Acceptability of the Brayco 853 fluid is unknown.

The polyurethane and Nitrile materials have not been qualified for use in harsh temperature or radiation environments and may degrade and jeopardize operator function.

THE DATE ON WHICH THE INFORMATION OF SUCH DEFECT OR FAILURE TO COMPLY WAS OBTAINED:

Fluid Controls informed Pump Division on 6 June 1994 that incorrect material supply had been discovered on an unshipped order. Subsequent investigation located three earlier incidents in which incorrect material had been supplied and delivered to customer (Enertech). Details were provided to Pump Division by FAX on 14 June 1994.

IN THE CASE OF A BASIC COMPONENT WHICH CONTAINS A DEFECT OR FAILS TO COMPLY, THE NUMBER AND LOCATION OF ALL SUCH COMPONENTS IN USE AT, SUPPLIED FOR, OR BEING SUPPLIED FOR ONE OR MORE FACILITIES OR ACTIVITIES SUBJECT TO THE REGULATIONS:

All components effected by this Notification were supplied to

Enertech Company
2950 E. Birch St.
Brea, CA 92621

Sixty-eight (68) of the items have subsequently been delivered to the following utilities:

	<u>Utility Site</u>	<u>Size and Number</u>	
Duke Power	- McGuire	90433-027 (12 pcs), 90433-025 (6 pcs)	*
Commonwealth Edison	- Byron	90433-013 (2pcs), 90433-015 (3 pcs), 90433-18 (2pcs)	*
	- Braidwood	0 pieces	*
Duquesne Power & Light	- Beaver Valley	90433-013 (43 pcs)	*

THE CORRECTIVE ACTION WHICH HAS, IS BEING, OR WILL BE TAKEN: THE NAME OF THE INDIVIDUAL OR ORGANIZATION RESPONSIBLE FOR THE ACTION: AND THE LENGTH OF TIME THAT HAS BEEN OR WILL BE TAKEN TO COMPLETE THE ACTION:

Fluids Controls Division notified Enertech of the deviation on 8 June 1994.

The Pump Division will notify Enertech with the recommendation that all items supplied with incorrect material be removed and destroyed.

ANY ADVICE RELATED TO THE DEFECT OF FAILURE TO COMPLY ABOUT THE FACILITY, ACTIVITY, OR BASIC COMPONENT THAT HAS BEEN, IS BEING, OR WILL BE GIVEN TO PURCHASERS:

Discrepant parts should be removed and destroyed.