



BW/IP International, Inc.

Byron
Jackson®
Pumps

United
Centrifugal
Pumps

Pump
Division

P.O. Box
2017
Terminal
Annex

Los Angeles
California
90051

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REGION V

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20 April 1990

Administrator, Office of Inspection
and Enforcement, Region V
U. S. Nuclear Regulatory Commission
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Gentlemen:

This letter transmits a notification of a potential defect as required
by 10CFR - Part 21. The attached notification, CFR-90-003, reports a
condition which occurred at Commonwealth Edison Company, Dresden Station,
Unit 3.

Very truly yours,

G. C. Godwin
G. C. Godwin

Manager Los Angeles Operations

GCG/ah

Attach: 3 Copies of Notification

- cc: Mr. F. J. Burgers, Vice President Operations
- Mr. E. B. Fiske, Director of Engineering
- Mr. R. D. Ham, Manager of Quality
- Dr. S. Gopalakrishnan, Manager of Engineering
- Dr. K. A. Huber, Technical Liaison
- Mr. D. E. Cullman, Account Executive

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10 CFR PART 21 NOTIFICATION

(Reference No. CFR-90-003)

NAME AND ADDRESS OF THE INDIVIDUAL OR INDIVIDUALS INFORMING THE COMMISSION:

Mr. G. C. Godwin
BW/IP International, Inc.
Pump Division
Los Angeles Operation
2300 E. Vernon Avenue
Vernon, CA 90058
(213) 587-6171

For Technical Information Contact: Dr. Kent Huber

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

Commonwealth Edison Co: Dresden Station, Unit 3
Basic Component: Reactor Recirculating Pump, Byron
Jackson Type 28 x 28 x 30 DVSS, Serial No. 661-S-1007/8

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

BW/IP International, Inc.
Successor to:
Borg-Warner Industrial Products
Pump Division
2300 E. Vernon Ave.
Vernon, CA 90058

10 CFR, Part 21, Notification
(Ref. No. CFR-90-003)

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:

Nature of Deviation:

Increase in level of CCW surge tank was traced to recirculation pump heat exchanger. Pump was isolated with suction and discharge valves and leak tested using CRD water through the maintenance ports. Several hours after pressurization, a small leak (< 1 gpm) was observed from the internal heat exchanger connections. No leakage was observed from the external heat exchanger connections. Repeat pressurization of the "B" pump for leak quantification purposes failed to confirm the initial leakage observations.

Safety hazard which is created or could be created is unknown, due to insufficient knowledge of CCW system.

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

The incident was initially reported to BW/IP International in February 1990. Additional information concerning the deviation has subsequently been supplied by General Electric Co.

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 IN THIS PART:

Initial investigation of the installed cover component has not established exact source of leakage. No defect or failure to comply is indicated at this time. Nor has BW/IP received any notification of similar deviations in like components in other operating plants.

10 CFR, Part 21, Notification
(Ref. No. CFR-90-003)

THE CORRECTIVE ACTION WHICH HAS BEEN, 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:

Commonwealth Edison is currently operating the pump after installing modification to vent the leakage to the drain tank. A 10 CFR 50.59 analysis was performed indicating no additional risk to public safety and health is introduced by this mode of operation.

BW/IP Pump Division, will continue to participate with the licensee, BWR Owners Group, and G. E. to determine root cause of the leakage.

After root cause is known, BW/IP will re-evaluate the deviation in accordance with 10 CFR 21.

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

To date this is the only known instance of a potential leak of system water into the CCW system of any BW/IP nuclear pump.

However, BW/IP will inform purchasers of this incident in order that they may conduct independent evaluation as they deem necessary.