

Anchor/Darling

Valve Company

701 FIRST STREET
P.O. BOX 3428
WILLIAMSPORT, PA 17701-0428
(717) 327-4800
TELEX: 759953

50-382
50-528
50-529
50-530

July 31, 1985

Nuclear Regulatory Commission
Mail Drop EWW 359
Washington, D.C. 20555

Attn: Paul Courtland

Subject: Swing Check Valve Problem Reported by Palo
Verde Nuclear Generating Station

Gentlemen:

Anchor/Darling has notified all customers with valves similar to those reported by the Palo Verde Generating Station as having loose set screws and/or missing lock welds of the potential problem. A copy of one of the letters is enclosed for your information.

Please call me if you have any questions or need additional information.

Very truly yours,

ANCHOR/DARLING VALVE COMPANY


G. W. Knieser
Q. A. Manager

GWK:dz

Enclosure

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PDR ADDCK 05000382
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Anchor/Darling

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July 25, 1985

LOUISIANA POWER & LIGHT COMPANY
Ebasco Services, Inc., Agent
Waterford SES Unit 3
P.O. Box 70
Killona, LA 70066

RECEIVED
JUL 26 1985
Q.A. DEPT.

Subject: Ebasco P.O.'s NY-403458
NY-403461
Waterford SES Unit 3
A/DV S.O.'s E-6373, E-1273
4463 and 4474

Gentlemen:

During installation of Anchor/Darling swing check valves at the Palo Verde Nuclear Generating Station, it was discovered that lock welds were missing on several valves.

Most 150 lb. and 300 lb. pressure class Anchor/Darling swing check valves utilize a set screw in the hinge support for the purpose of keeping the hinge pin from rotating. On some designs, this set screw also prevents the hinge pin from sliding out of the hinge support. The set screw is required to be lock welded to prevent it from backing out in service. The absence of this lock weld is a safety concern since the set screw could conceivably back out in service allowing the hinge pin to slide out of the hinge support thus causing a loss of valve operability.

In a related problem at Palo Verde, the disc nut pin on several check valves was not lock welded as shown on the valve assembly drawing. This lock weld is necessary to retain the disc nut pin which prevents the disc nut from backing off the disc and rendering the valve inoperable. As an alternate to the lock weld, Anchor/Darling currently recommends peening the pin to hold it in place as detailed on the attached sketch.

A review of our records indicates that you may have 150 lb. and 300 lb. pressure class Anchor/Darling check valves similar to the valves at Palo Verde installed in your plant. In view of the foregoing, we recommend that you inspect these valves at your earliest opportunity and verify that the hinge pin set screws have been lock welded and that the disc nuts are retained as shown on the valve assembly drawing or as outlined on the attached sketch.

Continued

LOUISIANA POWER & LIGHT COMPANY
Ebasco Servfces, Inc., Agent

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July 25, 1985

Should you find this condition, or if you have any questions or require additional information, please contact John Chappell at (717) 327-4856 or Bill Knecht at (717) 327-4811.

Very truly yours,

ANCHOR/DARLING VALVE COMPANY



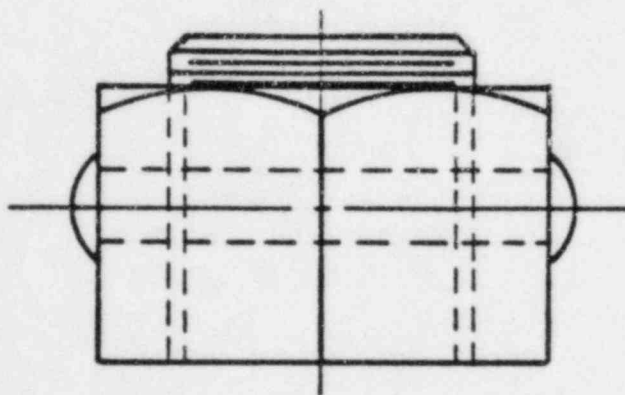
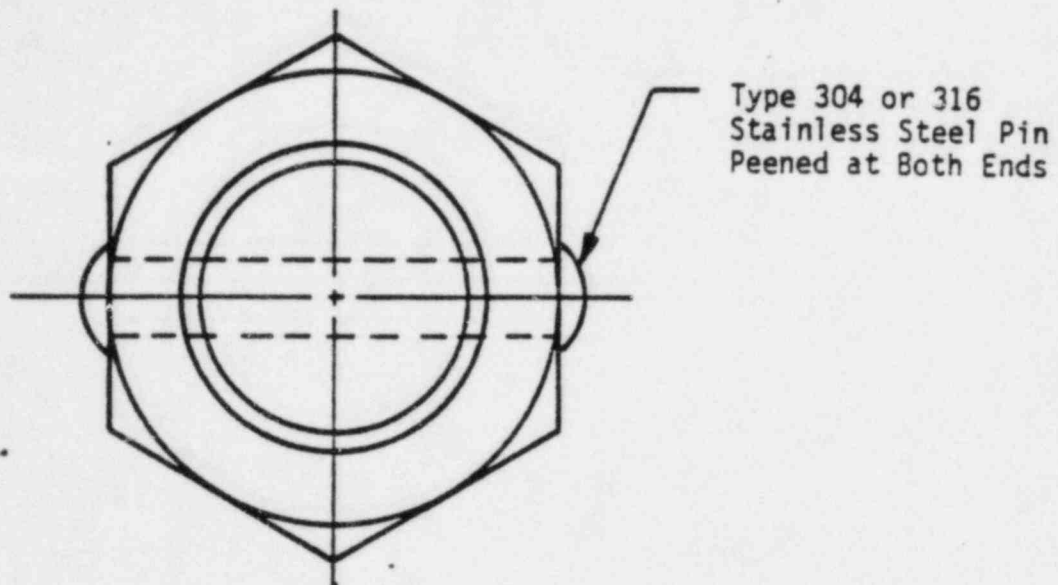
H. L. Patterson
Manager, Contract Administration

/el

Encl.

cc: J. J. Chappell
G. W. Conlan
W. G. Knecht
G. W. Knieser
R. H. Luhta
E. V. Tice

S.O. Files (5)



1. Nominal Pin Diameter = Nominal Hole Diameter
= 1/8 in. minimum
2. Initial Pin Length should be 1/8 in. to 1/4 in. longer than
the Nut Flat to Flat Dimension.