

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

MAR 17 1975

Northern States Power Company
ATTN: Mr. Leo Washtar, Vice President
Power Production and System
Operation
414 Nicollet Mall
Minneapolis, Minnesota 55401

Docket No. 50-263
Docket No. 50-282
Docket No. 50-306

Gentlemen:

Enclosed is IE Bulletin No. 75-03 which requires action by you with regard to your power reactor facility(ies) with operating licenses or construction permit.

Should you have questions regarding this Bulletin or the action required of you, please contact this office.

Sincerely,

James G. Keppler
Regional Director

Enclosure:
IE Bulletin No. 75-03

Approved by GAO, B-180225 (R0072), clearance expires 7-31-77. Approval was given under a blanket clearance specifically for identified generic problems.

bcc: Central Files
IE Files
PDR
Local PDR
A. Roisman



INCORRECT LOWER DISC SPRING AND CLEARANCE DIMENSION IN SERIES 8300 AND
8302 ASCO SOLENOID VALVES

DESCRIPTION OF CIRCUMSTANCES:

Recent abnormal occurrences have been reported at the Point Beach and Kewaunee nuclear stations in which safety related solenoid air-pilot valves manufactured by Automatic Switch Company (ASCO) failed to operate properly due to an incorrect lower disc spring and/or improper lever to lower disc stem clearance. Information contained in the reports submitted by NRC licensees and subsequent discussions between NRC and ASCO personnel have revealed the potential for similar failures with ASCO, 120 volt, 60 cycle solenoid valves of the types listed below.

Series	Form
8300-C	F, U, RF or RU
8302-C	F, U, RF or RU

According to the manufacturer, valves of the types listed above should have a heavier duty spring on the upper than on the lower disc section. These springs are identified by a specific part number and color which may differ for each valve type. Incorrect lower disc springs as well as improper clearance between the lever and lower valve disc stem have been identified as the causes of recent valve failures.

It has also been reported that incorrect valve discs springs have been included in repair kits supplied by the valve manufacturer. In case of uncertainty, licensees are advised to contact the ASCO valve service department regarding the proper disc springs and clearance for specific valve types.

ACTION TO BE TAKEN BY LICENSEES:

For all power reactor facilities with operating license or construction permit:

1. Determine if ASCO valves of the types described above are in use or planned for use in safety related systems.
2. Report to this office in writing, within 30 days for facilities with operating license and within 60 days for facilities with construction permit, the results of your findings with regard to Item 1.
3. If solenoid valves of the types described are in use or planned for use in safety related systems, include in your written reply the actions you have taken, or plan to take, to prevent failure of the type described above. Your written reply should also include the date when such actions were, or will be completed.