



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
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ARLINGTON, TEXAS 76012

June 27, 1980

bcc to DAC:ADM:
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Docket No. 50-267

Public Service Company of Colorado
ATTN: Mr. C. K. Millen
Senior Vice President
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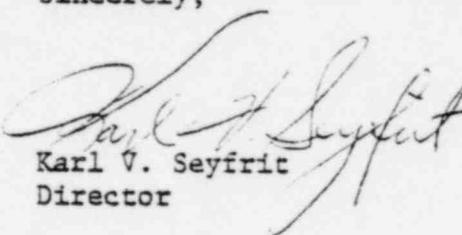
Gentlemen:

Enclosed is IE Bulletin No. 80-16 which requires action by you with regard to your power facility with an operating license or a construction permit. Also enclosed is IE Circular 80-16 for information.

In order to assist the NRC in evaluating the value/impact of each Bulletin on licensees, it would be helpful if you would provide an estimate of the manpower expended in conduct of the review and preparation of the report(s) required by the Bulletin. Please estimate separately the manpower associated with corrective actions necessary following identification of problems through the Bulletin.

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

Sincerely,


Karl V. Seyfrid
Director

Enclosures:

1. IE Bulletin No. 80-16
2. IE Circular No. 80-16
3. Lists of Recently Issued
IE Bulletins and Circulars

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
WASHINGTON, D.C. 20555

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IE Bulletin No. 80-16

POTENTIAL MISAPPLICATION OF ROSEMOUNT INC. MODELS 1151 AND 1152 PRESSURE TRANSMITTERS WITH EITHER "A" OR "D" OUTPUT CODES

Description of Circumstances

The NRC has recently been advised through 10 CFR 21 reports that a potential misapplication problem exists on Rosemount Inc. Models 1151 and 1152 pressure transmitters with either "A" or "D" output codes. The pressure transmitters are used in both pressure and differential pressure applications. Applications include pressurizer pressure monitoring (pressure transmitters) and reactor vessel level monitoring (differential pressure transmitters).

The potential misapplication problem occurs when the above specified transmitters are exposed to excessive over or reverse pressures. These pressures can result in ambiguous signal outputs from the transmitter to control and/or indication components. These ambiguous signals could result in erroneous control action, such as an open signal to a solenoid valve rather than a closed signal, or an erroneous indication signal, such as an indication in the normal operating range when a pressure outside the normal range actually exists.

Enclosure 1 contains Rosemount Inc.'s technical description of the potential application problems for Pressure Transmitters Model 1152. This information is applicable to Model 1151 Pressure Transmitters also. This information includes the reasons for the maloperation of the transmitters, a typical pressure versus current output curve and examples of the results of the maloperations. Available information indicates that the problem was reported to each customer who was furnished the subject transmitters by Rosemount Inc.

Actions to be Taken by Licensees of Power Reactor Operating Facilities and Holders of Construction Permits:

1. Determine if your facility has installed or plans to install Rosemount Inc. Model 1151 or 1152 pressure transmitters with output codes "A" or "D" in any safety-related application.
2. If it is determined that your facility has the transmitters described in 1 above in any safety-related application exposed to input pressures that could occur during normal operation, anticipated or otherwise, determine whether the affected transmitters can be adjusted. If the affected transmitters can be adjusted, determine whether the adjustment will result in anomalous output signals, and if so, determine whether the anomalous signals will be detected and corrected.

DUPLICATE DOCUMENT

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