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July 31, 1980

1-070-29
2-070-27

Mr. K. V. Seyfrit, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Comm.
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Subject: Arkansas Nuclear One - Units 1 & 2
Docket No. 50-313 and 50-368
License No. DPR-51 and NFP-6
IE Bulletin No. 80-16
IE Circular No. 80-16
Rosemount Model 1151 and 1152
Pressure Transmitters
(File: 1510.1, 2-1510.1)

Gentlemen:

In response to IE Bulletin No. 80-16, the Rosemount Model 1151 Pressure Transmitters presently installed at Arkansas Nuclear One - Unit 1 (ANO-1) and Unit 2 (ANO-2) do not have the output codes affected by IE Bulletin No. 80-16. Twelve (12) Rosemount Model 1152 Pressure Transmitters were found to be installed at ANO-1 and none were found to be installed at ANO-2.

Of the twelve Model 1152 Pressure Transmitters installed at ANO-1, four were found to be not included in the scope of the Bulletin, four are used for level indication on the core flood tanks, and the remaining four are on the Emergency Feedwater (EFW) system.

The four installed on the core flood tanks serve a relatively static function. The core flood tank level is not subject to significant level changes except during discharge. Therefore, we do not believe the possible defect presents a degradation of safety in this application since excessive over pressurization or reverse pressurization will not occur.

For those four installed on the EFW system, there are two scenarios which would drive the 1152 Pressure Transmitters into the range of the defect. The first case would be the result of the plugging of the orifice plate. This does not present a significant problem since several other indications (eg. SG Level, SG Pressure, etc.) exist to inform the operator there is EFW flow to the steam generators. The second case is that of a steam line break which could result in a flow greater than design. In

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Mr. K. V. Seyfrit

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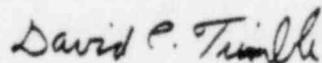
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this case, flow indications to the steam generator are still available via the alternative means above. The operators will isolate the broken steam generator based upon safety grade steam generator pressure indications (diverse from the EFW flow, which will mitigate any problem with EFW flow.

To assure an adequate and appropriate margin of safety, we have initiated a design change to replace the EFW 1152 Transmitters. This modification is currently scheduled for the next refueling outage.

The attached table presents the requested information for the Rosemount Model 1152 Pressure Transmitters which are located on the ANO-1 EFW system.

Very truly yours,



David C. Trimble
Manager, Licensing

DCT:PMH:skm

Attachment

TABLE I

Requested Information for
Rosemount Model 1152 Pressure Transmitters

Model Number:	1152-DP-6A92PB
Transmitter Range Limits:	0-100 psi differential pressure
Transmitter Range Setting:	0-760 inches of water
Measured Pressure:	1) Normal - 900 psia 2) Accident - 1655 psia
Anomalous Values:	NA
Service/Function:	Flow indication of EFW