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DUKE POWER

October 28, 1994

U. S. Nuclear Regulatory Commission
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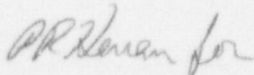
Subject: McGuire Nuclear Station
Dockets Nos. 50-369, -370
Request for Additional Information Regarding Rosemount Transmitters

Gentlemen:

Attached are McGuire's responses to the questions submitted by The Nuclear Regulatory Commission via fax of July 6, 1994 regarding Rosemount Transmitters.

If there are any questions regarding this response, please contact Dwin Caldwell at (704) 874-4328.

Very truly yours,


T. C. McMeekin

cc: (with attachments)

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**ROSEMOUNT TRANSMITTERS TECHNICAL BULLETIN #4
REQUEST FOR ADDITIONAL INFORMATION**

NOTE: The following is McGuire Nuclear Station's response to NRC questions arising from a previous Duke Power response to requested actions to NRC Bulletin 90-01 Supplement 1: "Loss of Fill-Oil in Transmitters Manufactured by Rosemount".

Requested Action 1b: For the data used to conclude that stable performance was seen, did that data meet the criteria of Rosemount Technical Bulletin #4?

Yes, McGuire transmitters have reached the psi-month threshold criterion of 60,000 psi-months or 130,000 psi-months (depending on the range code of the transmitter) as recommended by Rosemount. The data used to conclude stable performance meets the criteria of Rosemount Technical Bulletin #4. All transmitters prior to reaching their psi-month threshold were subjected to sluggish response testing and calibration data trending. Once psi-month threshold is met, as found/as left calibration data is recorded and monitored ensuring reliable performance in detecting oil loss failures.

Requested Action 1e: Additionally, the supplement asks that a high degree of confidence be maintained in the ability to detect failures in these transmitters due to a loss of fill-oil. How are they maintaining confidence in the ability to detect failures due to fill-oil loss?

Once transmitters have met their psi-month thresholds, they are excluded from the enhanced surveillance program. Even though transmitters are excluded from enhanced surveillance, McGuire continues to keep track of calibration data for review and trending. Periodic review of this calibration data is performed and would reveal shifts or degradation due to oil-loss.

Requested Action 1f: Same as 1e, but for transmitters that have a nominal operating pressure less than or equal to 500 psi.

McGuire keeps track of calibration data for review and trending for transmitters even after they have been excluded from enhanced surveillance activities. Periodic review of this data is performed and would reveal shifts or degradation due to oil-loss.

Requested Action 2: Is this program in accordance with Rosemount Technical Bulletin #4? Does this meet minimum requirements as put forth in the Rosemount TB#4, Supplement 1? Are they trending calibration and/or operating data? Does data obtained meet the criteria of Rosemount TB#4?

McGuire's enhanced surveillance program is in accordance with Rosemount's Technical Bulletin #4. Until specific requirements are met to exclude transmitters from enhanced surveillance, they are subjected to sluggish response testing and calibration data trending. To ensure any degradation in performance is detected, calibration data collection and trending continues throughout the life of the transmitter. Data from redundant transmitters is required to properly trend operating data. Due to non-redundant transmitters, McGuire trends calibration data only.

bxc: (with attachments)

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