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9 September 2002

**Re: Notification under 10 CFR Part 21 for Model 1153 Differential Pressure Transmitters**

Pursuant to 10 CFR Part 21, section 21.21(b), Rosemount Nuclear Instruments, Inc. (RNII) is writing to inform you that.

- (a) certain Model 1153 differential pressure transmitters with model codes beginning with "1153D" or "1153H" shipped between March 2001 and August 2002, and
- (b) spare sensor modules shipped between March 2001 and August 2002 with kit part numbers :

01153-0320-0232  
01153-0320-0352  
01153-0320-0252

may not meet RNII's published temperature effect specification. Other Model 1152, 1153 and 1154 pressure transmitters are not affected. **A list of affected Model 1153 pressure transmitters and spare sensor modules shipped to the end user's facility is provided in Attachment A.**

**1.0 Name and address of the individual providing the information:**

Mr. Jeffrey W. Schmitt  
Vice President & General Manager  
Rosemount Nuclear Instruments, Inc.  
12001 Technology Drive  
Eden Prairie, MN 55344

**2.0 Identification of items supplied:**

Certain Model 1153 differential pressure transmitters with model codes beginning with "1153D" or "1153H" shipped between March 2001 and August 2002

and;

Spare sensor modules shipped between March 2001 and August 2002 with kit part numbers:

01153-0320-0232  
01153-0320-0352  
01153-0320-0252

**See Attachment A for complete listing of affected equipment shipped to the end user's facility.**

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**3.0 Identification of firm supplying the item:**

Rosemount Nuclear Instruments, Inc.  
12001 Technology Drive  
Eden Prairie, MN 55344

**4.0 Nature of the failure and potential safety hazard:**

During the course of quality testing and data review, RNII has determined that certain Model 1153 differential pressure transmitters and spare sensor modules may not meet the published temperature effect specification. The temperature effect specification establishes an expected analog output error interval during normal ambient temperature variations occurring between 40°F (4.4°C) and 200°F (93.3°C). While analysis is still ongoing, the root cause of the potential nonconformance has been narrowed to the effect of temperature changes on the transmitter module

Based on data review and analysis, RNII has established the following ambient temperature effect specification for transmitters affected by this notification. This specification supercedes the published temperature effect specification for all pressure transmitters affected by this notification.

All Range Codes: ± 3.0% of Upper Range Limit per 100°F (55.6°C)

RNII does not have sufficient information relative to each end user's specific applications to determine the potential safety-related impact to each end user's plant. Each end user must determine the impact on its plant operations and plant safety and take action as deemed necessary.

**5.0 The corrective action which is taken, the name of the individual or organization responsible for that action, and the length of time taken to complete that action:**

- (a) RNII has expanded its temperature effect test screen to include all model 1153 pressure transmitters to assure that all further shipments of model 1153 pressure transmitters meet RNII's published temperature effect specification.
- (b) RNII has placed a hold on spare sensor module shipments
- (c) RNII has established a new temperature effect specification for pressure transmitters impacted by this notification as noted in Section 4.0.
- (d) RNII will verify ambient temperature effect performance to the original specification on any returned Model 1153 differential pressure transmitter or sensor module affected by this notification and repair or replace if required.
- (e) RNII will continue root cause analysis of the temperature effect potential non-conformance. Action will be taken consistent with the findings of this analysis to assure conformance to RNII's published temperature effect specifications. Anticipated completion date: 1 November 2002.
- (f) RNII will remove the hold on spare sensor modules when actions per 5.0 (e) are complete.

6.0 Any advice related to the potential failure of the item:

The end user must determine the impact of this potential non-conformance upon its plant's operation and safety and take action as deemed necessary. If the end user determines that return of a pressure transmitter or sensor module is required, RNII should be contacted to facilitate the return process.

Rosemount Nuclear Instruments, Inc. has a strong commitment to the nuclear industry and assures you that we are dedicated to the supply of high quality products and services to our customers. We are sorry for any potential impact that this notification might cause. If there are any questions, or you require additional information related to this issue, please contact Mike Dougherty (952) 828-5626, Gerard Hanson (952) 828-3951, Bob Cleveland at (952) 828-8255, or Matt Doyle at (952) 828-3480.

Sincerely,

ROSEMOUNT NUCLEAR INSTRUMENTS, INC.



Jeffrey W. Schmitt  
Vice President & General Manager