

# 10 CFR PART 21 REPORT

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12/28/05

General Information or Other (PAR)

Event # 42233

<b>Rep Org:</b> ROSEMOUNT NUCLEAR INSTRUMENTS	<b>Notification Date / Time:</b> 12/27/2005 18:14 (EST)
<b>Supplier:</b> ROSEMOUNT NUCLEAR INSTRUMENTS	<b>Event Date / Time:</b> 12/27/2005 (CST)
	<b>Last Modification:</b> 12/27/2005
<b>Region:</b> 3	<b>Docket #:</b>
<b>City:</b> CHANHASSEN	<b>Agreement State:</b> No
<b>County:</b>	<b>License #:</b>
<b>State:</b> MN	
<b>NRC Notified by:</b> DAVID ROBERTS	<b>Notifications:</b> MARVIN SYKES R1
<b>HQ Ops Officer:</b> MARK ABRAMOVITZ	MARK LESSER R2
<b>Emergency Class:</b> NON EMERGENCY	DAVID HILLS R3
<b>10 CFR Section:</b>	JEFFREY CLARK R4
21.21 UNSPECIFIED PARAGRAPH	CORNELIUS HOLDEN NRR
	OMID TABATABAI (fax) NRR

PART 21 NOTIFICATION FOR ROSEMOUNT TRANSMITTERS

The Supplier provided this notification via facsimile and is summarized below:

A multi-meter used in the calibration of certain pressure instruments went out of calibration between 10/10/2005 and 11/18/2005. These instruments may not conform to the published accuracy specification of +/- 0.25% of calibrated span. Rosemont Nuclear Instruments, Inc (RNII) successfully recalibrated all affected transmitters that had not yet shipped from its facility. The instruments affected by this failure are:

"(a) certain Model 1152 gage and differential pressure transmitters with model codes beginning with 1152GP, 1152DP, or 1152HP, inclusive of pressure measuring range codes 3, 4, 5, and 6 (the range code is the 7th position in the model string); and

"(b) certain Model 1153 Series B and 1153 Series D gage and differential pressure transmitters with model codes beginning with 1153GB, 1153DB, 1153HB, 1153GD, 1153DD, or 1153HD inclusive of pressure measuring range codes 3, 4, 5, and 6 (the range code is the 7th position in the model string); and

"(c) certain Model 1154 and 1154 Series H gage and differential pressure transmitters with model codes beginning with 1154GP, 1154DP, 1154HP, 1154DH, or 1154HH inclusive of pressure measuring range codes 4, 5, and 6 (the range code is the 7th position in the model string).

"The end user must determine the impact of this potential non-conformance on its plant operations and safety and take action as deemed necessary. If an affected pressure transmitter has been successfully calibrated after receipt from RNII or will be calibrated prior to installation, no further action should be required."

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**ROSEMOUNT**  
Nuclear

**Facsimile**

Rosemount Nuclear Instruments, Inc.  
8200 Market Boulevard  
Chanhassen, MN 55317  
Telephone 1 (952) 949-5234  
Fax 1 (952) 949-5201  
David.Roberts@EmersonProcess.com

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**To:** NRC Operations Center  
**Company:**  
**Fax Number:** (301) 816-5151  
**Date:** 12/27/05  
**From:** David Roberts, Quality Manager  
**No. of Pages:** 4, *Including cover page*

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Rosemount Nuclear Instruments is submitting the attached notification as required by 10 CFR Part 21.

David Roberts  
Quality Manager  
Rosemount Nuclear Instruments, Inc.



Rosemount Nuclear Instruments, Inc.  
8200 Market Boulevard  
Chanhausen, MN 55317 USA

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Fax 1 (952) 949-5201  
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27 December 2005

**Re: Notification under 10 CFR Part 21 for Certain Model 1152, 1153, and 1154 Gage and 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 1152 gage and differential pressure transmitters with model codes beginning with 1152GP, 1152DP, or 1152HP, inclusive of pressure measuring range codes 3, 4, 5, and 6 (the range code is the 7th position in the model string); and
- (b) certain Model 1153 Series B and 1153 Series D gage and differential pressure transmitters with model codes beginning with 1153GB, 1153DB, 1153HB, 1153GD, 1153DD, or 1153HD inclusive of pressure measuring range codes 3, 4, 5, and 6 (the range code is the 7th position in the model string); and
- (c) certain Model 1154 and 1154 Series H gage and differential pressure transmitters with model codes beginning with 1154GP, 1154DP, 1154HP, 1154DH, or 1154HH inclusive of pressure measuring range codes 4, 5, and 6 (the range code is the 7th position in the model string);

calibrated between 10 October 2005 and 18 November 2005 which were subsequently shipped from RNII may not meet RNII's published accuracy specification. Other Model 1152, 1153 Series B, 1153 Series D, 1154, and 1154 Series H gage, differential, or sealed reference pressure transmitters with pressure range codes 7, 8, 9 or 0 are not affected. Additionally, no model of absolute pressure transmitter of any range is affected. See Attachment A for list of equipment affected by this notification.

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

Mr. Jeffrey W. Schmitt  
Vice President & General Manager  
Emerson Process Management  
Rosemount Nuclear Instruments, Inc.  
8200 Market Blvd  
Chanhausen, MN 55317

**2.0 Identification of items supplied:**

- (a) Certain Model 1152 gage and differential pressure transmitters with model codes beginning with 1152GP, 1152DP, or 1152HP, inclusive of pressure measuring range codes 3, 4, 5, and 6 (the range code is the 7th position in the model string); and
- (b) Certain Model 1153 Series B and 1153 Series D gage and differential pressure transmitters with model codes beginning with 1153GB, 1153DB, 1153HB, 1153GD,

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1153DD, or 1153HD inclusive of pressure measuring range codes 3, 4, 5, and 6 (the range code is the 7th position in the model string); and

(c) Certain Model 1154 and 1154 Series H gage and differential pressure transmitters with model codes beginning with 1154GP, 1154DP, 1154HP, 1154DH, or 1154HH inclusive of pressure measuring range codes 4, 5, and 6 (the range code is the 7th position in the model string);

calibrated between 10 October 2005 and 18 November 2005, which were subsequently shipped from RNII.

**See Attachment A for list of equipment affected by this notification.**

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

Emerson Process Management  
Rosemount Nuclear Instruments, Inc.  
8200 Market Blvd  
Chanhassen, MN 55317

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

During routine operations on the RNII production floor, it was observed that one of several multi-meters (HP Model 34401A) used to perform final calibration of all models of gage and differential pressure transmitters of range codes 3, 4, 5, and 6 appeared to be out of calibration. The multi-meter was removed from service and failed a subsequent calibration check. Use of the out-of-calibration multi-meter could have resulted in certain pressure transmitters not meeting the published accuracy specification of +/-0.25% of calibrated span as shipped from RNII.

RNII has determined that the multi-meter was operating within calibration prior to **10 October 2005**. As a result, all models of gage and differential pressure transmitters with range codes 3, 4, 5, and 6 that were calibrated from **10 October 2005 to 18 November 2005** with the multi-meter in question and subsequently shipped may not conform to the published accuracy specification of +/-0.25% of calibrated span. RNII successfully re-calibrated all affected transmitters that had not yet shipped from its facility.

Based on data review and analysis, RNII has established an Interim accuracy specification for transmitters affected by this notification that have not been re-calibrated since shipping from RNII (see Sect. 6.0 for additional information). The following interim specification supersedes the published accuracy specification for all pressure transmitters affected by this notification that have not been re-calibrated since shipping from RNII.

**Interim Accuracy Specification: ±1.70% of calibrated span**

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 has, or will be taken; the name of the individual or organization responsible for that action; and the length of time needed to complete that action:**

- (a) RNII removed the failed multi-meter from service (11/18/2005).
- (b) RNII re-calibrated all other multi-meters associated with calibration of pressure transmitters on the RNII production floor. All were within calibration (12/16/2005).
- (c) RNII has evaluated all transmitters in finished goods and re-calibrated potentially affected transmitters as necessary. (12/20/2005).
- (d) RNII has established an interim accuracy specification for pressure transmitters affected by this notification as noted in Section 4.0 (12/21/2005).

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

The end user must determine the impact of this potential non-conformance on its plant operations and safety and take action as deemed necessary. However, if an affected pressure transmitter has been successfully calibrated after receipt from RNII or will be calibrated prior to installation, no further action should be required. Furthermore, should any transmitter affected by this notification have been installed without first being calibrated by the purchaser or end user prior to installation, the interim accuracy specification should be applied until the transmitter is calibrated. If it is determined that return of a pressure transmitter is required, RNII should be contacted to facilitate the return process.

Rosemount Nuclear Instruments, Inc. is committed to the nuclear industry and we assure you that we are dedicated to the supply of high quality products and services to our customers. We apologize 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 (208) 865-1112, Gerard Hanson (952) 949-5233, Bob Cleveland (952) 949-5206, or Matt Doyle (952) 949-5204.

Sincerely,



Jeffrey W. Schmitt  
Vice President and General Manager  
Rosemount Nuclear Instruments, Inc.