General Information or Other (PAR) Event # 43266

Rep Org: ROSEMOUNT NUCLEAR		**Notification Date / Time:** 03/30/2007 10:30 (EST)	
Supplier: ROSEMOUNT NUCLEAR		**Event Date / Time:** 01/12/2007 (CDT)	
		Last Modification: 03/30/2007	
Region: 3	**Docket #:**		
City: CHANHASSEN	**Agreement State:** Yes		
County:	**License #:**		
State: MN			
NRC Notified by: DAVID ROBERTS	**Notifications:**	JULIO LARA	R3
HQ Ops Officer: MARK ABRAMOVITZ		JACK WHITTEN	R4
Emergency Class: NON EMERGENCY		VERN HODGE	NRR
10 CFR Section:		OMID TABATABAI	NRR
21.21 UNSPECIFIED PARAGRAPH			

PART 21 - ROSEMOUNT PRESSURE TRANSMITTER MAY NOT BE SEISMICALLY QUALIFIED

"During routine operations on the RNII production floor, it was observed that an incorrect torque wrench was being used at mechanical assembly to tighten the Sensor Module Lock Nut. The incorrect tool was calibrated to a value of 12.5 ft-lb, resulting in undertorquing of the lock nut. The incorrect torque wrench was removed from service and replaced with a tool calibrated to the correct torque value of 35 ft-lb. RNII reworked all affected transmitters that had not yet shipped to the correct torque value.

"Assembly with the incorrect tool could result in certain pressure transmitters having a degraded environmental seal between the sensor module and the electronics housing during or after a seismic event."

The five affected models have been delivered to the Byron and Comanche Peak nuclear stations.

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Chanhassen, MN 55317

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To:	NRC Operations Center
Company:	
Fax Number:	(301) 816-5151
Date:	3/30/07
From:	David Roberts, Quality Manager
No. of Pages:	4, *Including cover page*

Rosemount Nuclear Instruments is submitting the attached notification as required by 10 CFR Part 21. Please contact me if you have any questions.

Sincerely,

David T Roberts

David T. Roberts
Quality Manager
Rosemount Nuclear Instruments, Inc.

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30 March, 2007

U.S. Nuclear Regulatory Commission
Washington, DC 20555-001
Attn: Document Control Desk

Re: Notification under 10 CFR Part 21 for Certain Model 1154 and 1154 Series H Pressure Transmitters

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

(a) four Model 1154 pressure transmitters shipped to Exelon Generation Co on 22-January-07

(b) one Model 1154 Series H pressure transmitter shipped to TXU Generation Co on 24-January-07

may not meet RNII's published Steam Pressure / Temperature or Post DBE Operation specifications during or after a seismic event.

1.0 Name and address of the individual providing the information:

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

2.0 Identification of items supplied:

Four Model 1154 pressure transmitters and one 1154 Series H pressure transmitter, as shown below:

Serial Number	Model Number	Sales Order	Purchase Order	Customer / Plant Site	Ship Date
0533996	1154HP5RAN0037	1793760	00415639 REV 001	Exelon Generation Co / Byron Nuclear Station	1/22/07
0533997	1154HP5RAN0037	1793760	00415639 REV 001	Exelon Generation Co / Byron Nuclear Station	1/22/07
0533998	1154HP5RAN0037	1793760	00415639 REV 001	Exelon Generation Co / Byron Nuclear Station	1/22/07
0533999	1154HP5RAN0037	1793760	00415639 REV 001	Exelon Generation Co / Byron Nuclear Station	1/22/07
0534017	1154SH9RC	1821300	B0079178076	TXU Generation Co / Comanche Peak	1/24/07

3.0 Identification of firm supplying the item:

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

4.0 Nature of the failure and potential safety hazard:

During routine operations on the RNII production floor, it was observed that an incorrect torque wrench was being used at mechanical assembly to tighten the Sensor Module Lock Nut. The incorrect tool was calibrated to a value of 12.5 ft-lb, resulting in undertorquing of the lock nut. The incorrect torque wrench was removed from service and replaced with a tool calibrated to the correct torque value of 35 ft-lb. RNII reworked all affected transmitters that had not yet shipped to the correct torque value.

It has been determined that the torque tool calibrated to 12.5 ft-lb was used on the production line between 12 January 2007 and 26 January 2007, after a 35 ft-lb torque tool was removed from service for routine calibration. Assembly with the incorrect tool could result in certain pressure transmitters having a degraded environmental seal between the sensor module and the electronics housing during or after a seismic event. As a result, the specific transmitters noted in section 2.0, which completed mechanical assembly between 12 January 2007 and 26 January 2007, may not meet RNII's published Steam Pressure / Temperature or Post DBE Operation specifications during or after a seismic event.

Random motion and sine motion testing on representative transmitters was performed to evaluate the impact of the undertorqued lock nut. Vibration test limits were established to meet or exceed the 1154 Series H maximum ZPA of 8.5 g to determine if an undertorqued lock nut loosened or the housing rotated during simulation of seismic activity. Electronics housing rotation was observed. This rotation could result in a degraded environmental seal between the sensor module and the electronics housing during or after a seismic event.

5.0 The corrective action which has been taken; the name of the individual or organization responsible for that action; and the length of time taken to complete that action:

(a) RNII removed the 12.5 ft-lb torque tool from service and replaced it with the correct 35 ft-lb torque tool. In addition, RNII reviewed all other torque tools in use on the production floor to ensure the correct value torque tools were in place. (Complete: 1/26/2007)

(b) RNII evaluated all units in production and finished goods. Potentially affected transmitters were reworked. (Complete: 1/31/2007)

(c) Current field returns were reviewed for impact. None were found. (Complete: 1/31/2007)

(d) An internal corrective action request was initiated. All related activities will be complete as of 4/15/2007.

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

The end user is advised to determine the impact of this potential non-conformance on its plant operations and safety and take action as deemed necessary. The Sensor Module Lock Nut can be reworked in accordance with the 'Connecting Electrical Housing to Sensor Module' or 'Connecting Electrical Housing to Module Shroud' instructions found in section five of the product manual. 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. 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,

Steve Sonnenberg
President
Rosemount Nuclear Instruments, Inc.