

Part 21 (PAR)

Event # 46821

<b>Rep Org:</b> SOR INC PROCESS INSTRUMENTATION	<b>Notification Date / Time:</b> 05/04/2011 12:14 (EDT)
<b>Supplier:</b> SOR INC PROCESS INSTRUMENTATION	<b>Event Date / Time:</b> 05/04/2011 (CDT)
	<b>Last Modification:</b> 05/04/2011
<b>Region:</b> 4	<b>Docket #:</b>
<b>City:</b> LENEXA	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b>
<b>State:</b> KS	
<b>NRC Notified by:</b> COLBERT TURNEY	<b>Notifications:</b> DAVID PROULX R4DO
<b>HQ Ops Officer:</b> BILL HUFFMAN	PART 21 GROUP
<b>Emergency Class:</b> NON EMERGENCY	MARK RING R3DO
<b>10 CFR Section:</b> 21.21 UNSPECIFIED PARAGRAPH	

PRESSURE SWITCH WITH POSSIBLE SUB-STANDARD ELECTRICAL LEAD TERMINATIONS

SOR Process Instruments has determined that certain model pressure switches it has manufactured may have leads attached to the terminal blocks that are not in conformance with good manufacturing practice. The pressure switches in question may have lead wire attached to the terminal block in which the connection between the stripped, stranded wire and a crimped terminal may not be flush with the terminal end. SOR states that there have been no known field problems associated with this issue.

This condition applies to SOR model switches with terminal block "X" options 9013-737, 9013-747, 9013-7674. SOR has provided this information to those customers that purchased these switches. The U.S. plants that received these switches are Braidwood and Duane Arnold.

\*\*\*\*\*

JE19  
NRK



DATE May 4, 2011  
 TO Nuclear Regulatory Commission  
 FROM Colbert Turney, Vice President of Quality  
 SUBJECT Information Notice  
 No. Pages 6  
(including covers)



There have been no known field problems associated with this attached information notice. All customers who have received switches with this option have been or will be notified today.

Please contact me if any other information or actions are necessary.

Colbert Turney  
 Vice President of Quality  
 SOR Inc.  
 14685 W 105<sup>th</sup> Street  
 Lenexa KS 66215  
 Toll Free: 800-676-6794  
 Voice: 913-888-2630  
 Extension: 913-956-3160  
 Fax: 913-312-3582

**Process Instrumentation | Pressure | Level | Temperature | Flow**

14685 West 105th Street | Lenexa, Kansas 66215-2003 | 913-888-2630 | 800-676-6794

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**Process Instrumentation**  
 Pressure Level Temperature Flow

14685 West 105th Street | Lenexa, Kansas 66215-2003 | 913-888-2630 | 800-676-6794

May 2, 2011

Nuclear Regulatory Commission via fax 301-816-5151  
 Nextera Energy, Duane Arnold Energy Center  
 Exelon, Braidwood Generation Co. LLC  
 Tractebel Suez, Doel Nuclear Power Station

**INFORMATION NOTICE**

**Subject:**

This is an information notice regarding SOR pressure switches that have the electrical terminal block option. A condition of general good manufacturing practice has been brought to our attention in regards to the crimping of wire lugs onto lead wires in the SOR terminal block assembly. SOR allowed a switch to be shipped in which one of the three lead wires in this switch did not meet these criteria, see attached picture.

**Scope:**

This information notice applies to SOR models with the terminal block "X" options, 9013-737, 9013-747 and 9013-764. An attachment identifies each switch by your PO number, the SOR sales order number, SOR model number, SOR serial number and the ship date. This notice does not apply to SOR switches that have the SOR factory conduit seal "JJ" option.

**Discussion:**

Good manufacturing practice for creating a connection between a stripped, stranded wire and a crimped terminal suggests that the stranded wire be visible inside the lug after crimping. The wire may be flush with the end of the terminal or protruding out no more than 1/16". In one instance, one of the three wires on a terminal block did not have bare wires that were flush with the terminal end. We believe this was a random occurrence, however, we decided to bring this to your attention. In addition, all switches at SOR must pass a number of tests before they are released for shipment. All of these tests are documented by Production personnel and witnessed by Quality Control personnel. All pressure switches that are in your possession now have passed these tests. **There have been no known field problems associated with this issue.**

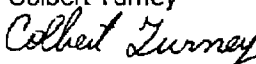
**Customer Action:**

At our customer's option, the subject products may be visually inspected and any wire connections that do not meet the noted criteria may be returned to SOR for rework. To return a switch, contact SOR for a Returned Material Authorization (RMA) number. SOR will pay freight and replace the terminal free of charge. If you decide to inspect the switches, SOR will send replacement cover gaskets. Please notify us if you wish to have gaskets shipped to you.

**Preventative Action:**

We have instituted improved procedures and training for Fabrication, Assembly and Inspection personnel to prevent future incidences.

I apologize for the inconvenience this may cause you.

Colbert Turney  
  
 Vice President of Quality

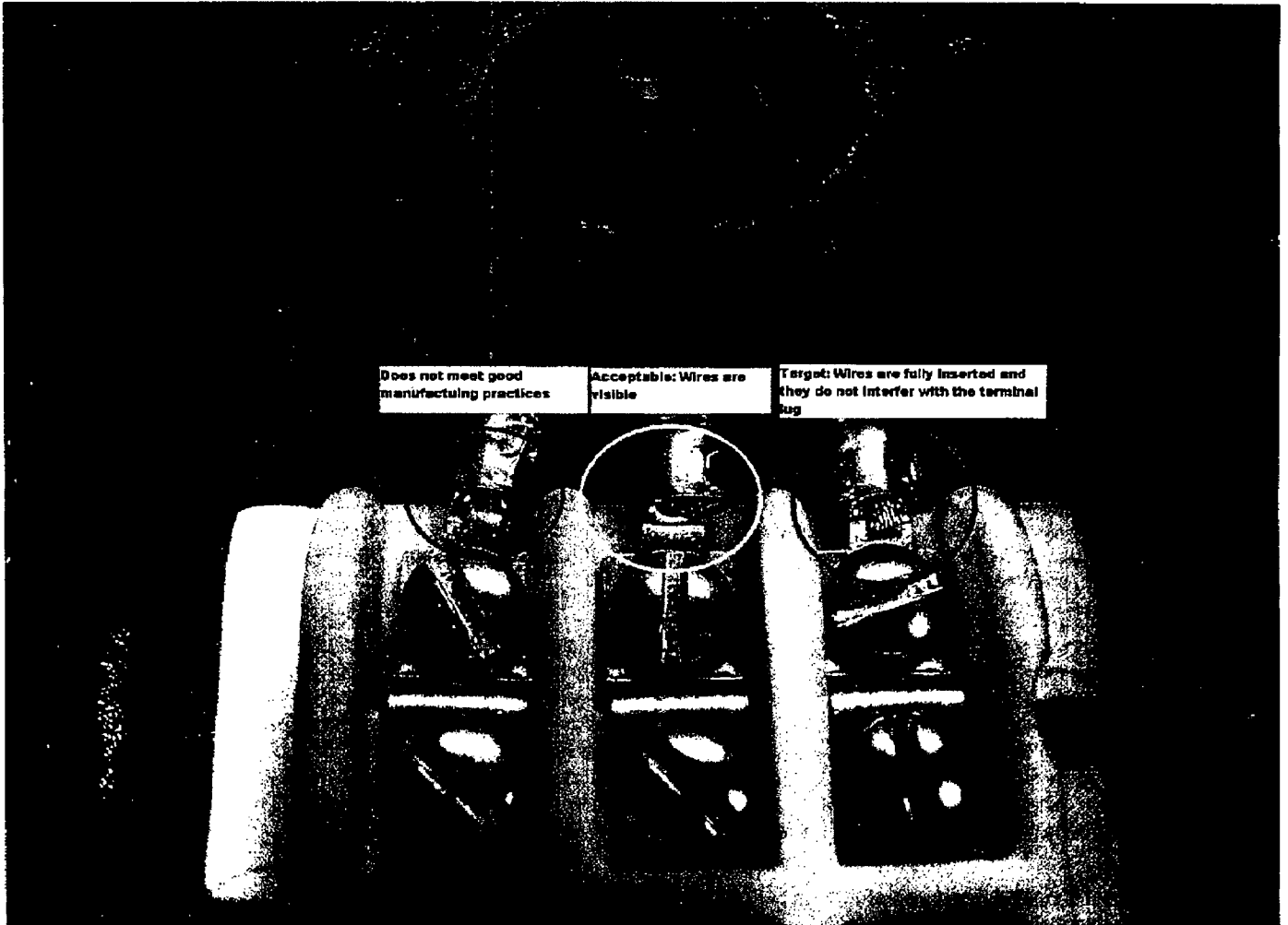
c: B Benton, J Fortino, J Modig, L Coutts, J Jursich

FAXES

913-894-1538 : 913-888-9138 : 913-888-7563 : 913-599-0278 : 913-888-0767 : 913-888-8150 : 913-888-4837 : 913-312-3582  
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Information Notice  
May 2, 2011  
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**Process Instrumentation**  
 Pressure Level Temperature Flow

14685 West 105th Street Lenexa, Kansas 66215-2003 913-888-2630 800-676-6794

Nextera Energy  
 Duane Arnold Energy Center  
 3277 Daec Road  
 Palo IA 52324

Subject: Evaluation of Deviation for Defect Report: Wire Conductor Crimping

To whom it may concern:

This letter is sent to address an Evaluation of Deviation for Defect performed by SOR in response to a customer's incoming inspection concern on one switch received February 9, 2011. Please refer to the Information Notice dated May 2, 2011, attached.

PO	SOR SO	Model No.	Serial No.	Ship Date
K132576	517742*1	9013737	100405784	05/28/2010
02259125	521918*1	9013737	100606117	07/20/2010
02261223	525222*1	9013737	100901789	09/29/2010
02261223	529060*1	9013737	101201120	12/03/2010

Best regards,

Colbert Turney  
 Vice President of Engineering

c: SO File, Quality File.

FAXES

913-894-1538 ACCOUNTING 913-888-9136 ENGINEERING 913-888-7563 EXECUTIVE 913-599-0278 HR 913-888-0767 INSIDE SALES 913-888-8150 MARKETING 913-888-4837 PURCHASING 913-312-3582 QUALITY

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**Process Instrumentation**  
 Pressure Level Temperature Flow

14685 West 105th Street Lenexa, Kansas 66215-2003 913-888-2630 800-676-6794

Exelon  
 Braidwood Generation Co. LLC  
 Braidwood Warehouse  
 East of IL Rt 53, 1-1/2 Miles South of Rt 113  
 Braidwood IL 60408

Subject: Evaluation of Deviation for Defect Report: Wire Conductor Crimping

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PO	SOR SO	Model No.	Serial No.	Ship Date
00468909 Rev 002	530094*1	20XRX-BX125-U9-C7A-TTNQ	101210699	01/12/2011
00468909 Rev 002	530094*1	20XRX-BX125-U9-C7A-TTNQ	101210700	01/12/2011
00468909 Rev 002	530094*1	20XRX-BX125-U9-C7A-TTNQ	101210701	01/12/2011
00468909 Rev 002	530094*1	20XRX-BX125-U9-C7A-TTNQ	101210702	01/12/2011
00468909 Rev 002	530094*1	20XRX-BX125-U9-C7A-TTNQ	101210703	01/12/2011
00468909 Rev 002	530094*1	20XRX-BX125-U9-C7A-TTNQ	101210704	01/12/2011
00468909 Rev 002	530094*1	20XRX-BX125-U9-C7A-TTNQ	101210705	01/12/2011
00468909 Rev 002	530094*1	20XRX-BX125-U9-C7A-TTNQ	101210706	01/12/2011
00468909 Rev 002	530112*1	20XRX-BX125-U9-C7A-TTNQ	101210744	02/14/2011
00468909 Rev 002	530112*1	20XRX-BX125-U9-C7A-TTNQ	101210745	02/14/2011

Best regards,

Colbert Turney  
 Vice President of Engineering

c: SO File, Quality File.

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 ACCOUNTING ENGINEERING EXECUTIVE HR INSIDE SALES MARKETING PURCHASING QUALITY

**WE DELIVER QUALITY ON TIME**



**Process Instrumentation**  
 Pressure . Level . Temperature . Flow

14685 West 105th Street : Lenexa, Kansas 66215-2003 . 913-888-2630 . 800-676-6794

Mr. François LeFebvre  
 Tractebel Suez  
 Doel Nuclear Power Station  
 Industrial & Nuclear Process Control  
 Energy & Industrial Solutions  
 Avenue Ariane  
 7-1200 Brussels  
 Belgium

Subject: Evaluation of Deviation for Defect Report: Wire Conductor Crimping

To whom it may concern:

This letter is sent to address an Evaluation of Deviation for Defect performed by SOR in response to a customer's incoming inspection concern on one switch received February 9, 2011. Please refer to the Information Notice dated May 2, 2011, attached.

PO	SOR SO	Qty	Model No.	Serial No.	Ship Date
P004 9900077799	519607*1	20	6RX-WX5-U8-C2A-TTNQX	100607174 - 100607193	10/14/2010
P004 9900077799	519607*2	5	5RX-WX5-U8-C2A-TTNQX	100607194 - 100607198	10/14/2010
P004 9900077799	519607*3	5	9RX-WX5-U8-C2A-TTNQX	100607199 - 100607203	10/14/2010
P004 9900077799	519607*4	5	54RX-WX118-M4-C2A-TTNQX	100607204 - 100607208	10/14/2010
P004 9900077799	519607*5	5	12RX-WX5-U8-C2A-TTNQX	100607209 - 100607213	10/14/2010
P004 9900077799	519607*6	9	4RX-WX5-U8-C2A-TTNQX	100607214 - 100607222	10/14/2010
P004 9900077799	519607*12	2	5RX-WX5-U8-C2A-TTNQX	100607223 - 100607224	10/14/2010

Best regards,

Colbert Turney  
 Vice President of Engineering

c: SO File, Quality File.

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