



501 SOUTH ELEVENTH STREET MT. VERNON, ILLINOIS 62864 PHONE 618-244-6000 FAX 618-244-6641

July 2, 2012

U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

Subject: USNRC 10CFR Part 21 Notification

Reference: Potential Failures of Kraus and Naimer (K&N) M470 Spring Return Switches

Gentlemen:

This is to notify the Nuclear Regulatory Commission, in accordance of the provisions of 10 CFR Part 21 of a potential deviation identified by Nutherm International, Inc.

On June 26, 2012 one M470 Spring Return Kraus and Naimer (K&N) switch (part number CA10 USN892-600 FT1 S0C G211 S0 M470/D1A) failed at the Nutherm facility.

The failed switch was returned to the manufacturer for failure analysis. On July 2, 2012 the manufacturer notified Nutherm that the specific failure mechanism was spring failure on the "spring return". The failure was traced to a spring manufacturer supplying the manufacturing facility between November 1, 2011 and June 29, 2012.

Based on this information, M470 spring return switches manufactured during this time period have the potential for this spring failure.

Nutherm has determined that the following site has received these switches from Nutherm and is affected:  
Farley Nuclear Plant

Sincerely,  
NUTHERM INTERNATIONAL, Inc.

David M. Massey  
President and COO

DMM/abs

JE19  
MRR

Part 21 (PAR)

Event # 48062

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|--|---|
| <b>Rep Org:</b> NUTHERM INTERNATIONAL, INC | <b>Notification Date / Time:</b> 07/02/2012 15:31 (EDT) |
| <b>Supplier:</b> KRAUS AND NAIMER          | <b>Event Date / Time:</b> 06/26/2012 (CDT)              |
|  | <b>Last Modification:</b> 07/02/2012                    |
| <b>Region:</b> 3                           | <b>Docket #:</b>  |
| <b>City:</b> MT. VERNON                    | <b>Agreement State:</b> Yes                             |
| <b>County:</b>                             | <b>License #:</b>                                       |
| <b>State:</b> IL                           |   |
| <b>NRC Notified by:</b> ADRIENNE SMITH     | <b>Notifications:</b> JONATHAN BARTLEY R2DO             |
| <b>HQ Ops Officer:</b> DONG HWA PARK       | PART 21 GROUP   |
| <b>Emergency Class:</b> NON EMERGENCY      |   |
| <b>10 CFR Section:</b>                     |   |
| 21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE   |   |

PART 21 - FAULTY SWITCH RESULTING FROM A FAILED SPRING

"This is to notify the Nuclear Regulatory Commission, in accordance of the provisions of 10 CFR Part 21 of a potential deviation identified by Nutherm International, Inc.

"On June 26, 2012 one M470 Spring Return Kraus and Naimer (K&N) switch (part number CA10 USN892 - 600 FT1 SOC G211 S0 M470/D1A) failed at the Nutherm facility.

"The failed switch was returned to the manufacturer for failure analysis. On July 2, 2012 the manufacturer notified Nutherm that the specific failure mechanism was spring failure on the "spring return." The failure was traced to a spring manufacturer supplying the manufacturing facility between November 1, 2011 and June 29, 2012.

"Based on this information, M470 spring return switches manufactured during this time period have the potential for this spring failure.

"Nutherm has determined that the following site has received these switches from Nutherm and is affected: Farley Nuclear Plant."

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# Fax

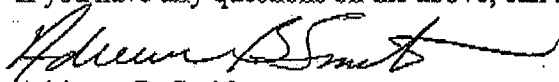
**Nutherm**   
INTERNATIONAL, INC.

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| <b>To:</b> <u>NRC Operations Center</u>   | <b>From:</b> <u>Adrienne Smith</u>     |
| <b>Company:</b> <u>Nuclear Regulatory Center</u>  | <u>QA Manager</u>                      |
| <b>Fax:</b> <u>301-816-5151</u>   | <b>Pages including Cover:</b> <u>2</u> |
| <b>Phone:</b> <u>301-816-5100</u>   | <b>Date:</b> <u>July 2, 2012</u>       |
| <b>CC:</b> _____  | <b>Nutherm Project No:</b> <u>N/A</u>  |
|   | <b>Customer Project No:</b> <u>N/A</u> |
| <b>Subject:</b> <u>10 CFR Part 21 Notification Regarding Kraus and Naimer M470 Spring Return Switches</u> |  |

Attached please find the subject notification.

If you have any questions on the above, call me at 618-244-6000.

  
Adrienne B. Smith