

Part 21 (PAR)

Event # 50336

<b>Rep Org:</b> CRANE NUCLEAR, INC.	<b>Notification Date / Time:</b> 08/01/2014 17:00 (EDT)
<b>Supplier:</b> CRANE NUCLEAR, INC.	<b>Event Date / Time:</b> 08/01/2014 (CDT)
	<b>Last Modification:</b> 08/01/2014
<b>Region:</b> 3	<b>Docket #:</b>
<b>City:</b> BOLINGBROOK	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b>
<b>State:</b> IL	
<b>NRC Notified by:</b> ROSALIE NAVA	<b>Notifications:</b> KATHLEEN O'DONOHUE R2DO
<b>HQ Ops Officer:</b> JOHN SHOEMAKER	PART 21 GROUP EMAIL
<b>Emergency Class:</b> NON EMERGENCY	
<b>10 CFR Section:</b>	
21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE	

PART 21 REPORT - AP1000 ACTIVE MANUAL SAFETY-RELATED VALVES WITH NON-SAFETY RELATED LEVERS

Crane did not provide safety related levers, for manual type safety valves, on recent shipment. Crane has recently been advised by our customer that valves provided for AP1000 PV10 Scopes (VDS 101 and VDS 150) should have had safety-related levers.

Crane believes the only affected valves are those that have been provided on the AP 1000 project.

If you have questions please contact;  
Rosalie Nava, Director Safety and Quality  
Phone 630-226-4940  
Fax 630-226-4646  
Email RNAVA@cranevs.com

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CRANE NUCLEAR, INC.

860 REMINGTON BLVD.

BOLINGBROOK, IL 60440

August 1, 2014

US Nuclear Regulatory Commission  
Washington, DC 20555-0001

Attention: Document Control Desk  
Subject: 10CFR21 Notification  
Reference: Non-Safety Related Levers

Dear Sir or Madam:

Crane Nuclear, Inc. has become aware of providing a non-safety related lever on AP1000 active manual safety-related valves.

Crane Nuclear uses an internal procedure based on ASME Code Case N-62 for guidance on the classification of safety related components and N62 does not address actuators, hand wheels, handles etc. Per our internal procedure, CNI valve actuators (electric, pneumatic, hydraulic and manual) have been classified, procured and provided as a commercial component and not provided as safety-related unless specified as safety-related.

While safety-related motor and pneumatic piston actuators are typically associated with active valves, the distinction between "Active" and "Passive" is not made in the CNI procedure or ASME classification tables. Two safety-related, manual valve types within the AP1000 PV10 scope, VDS-101 and VDS-150, listed the valve as "Active". Since the Valve Data Sheets do not identify the operator (in the cases of the subject valves, hand levers) as seismic or safety-related, Crane did not provide them as safety related levers on recent shipment. Crane has recently been advised by our customer that valves provided for AP1000 PV10 Scopes (VDS 101 and VDS 150) should have had safety-related levers.

Crane believes the only affected valves are those that have been provided on the AP1000 project though it is only the customer that is able to identify whether the valve is "Active" or "Passive".

Crane recommends that all customers review their Valve Data Sheet requirements relative to the impact of this notification and the classification of the lever. Hand wheels on safety-related gear boxes are not included in the scope of this notification as they would be covered under the qualification of the gear box assembly.

If you have questions please contact me at one via phone 630-226-4940, email [RNAVA@cranevs.com](mailto:RNAVA@cranevs.com), or fax 630-226-4646.

Sincerely,

CRANE Nuclear, Inc.

Rosalie Nava  
Director Safety and Quality