

Part 21 (PAR)

Event # 51206

Rep Org: CRANE NUCLEAR, INC.	Notification Date / Time: 07/08/2015 07:49 (EDT)
Supplier: CRANE NUCLEAR, INC.	Event Date / Time: 07/07/2015 (CDT)
	Last Modification: 07/08/2015
Region: 3	Docket #:
City: BOLINGBROOK	Agreement State: Yes
County:	License #:
State: IL	
NRC Notified by: JASON KLEIN	Notifications: ANN MARIE STONE R3DO
HQ Ops Officer: STEVE SANDIN	GERALD MCCOY R2DO
Emergency Class: NON EMERGENCY	MARK HAIRE R4DO
10 CFR Section:	PART 21/50.55 REACTORS EMAIL
21.21(a)(2) INTERIM EVAL OF DEVIATION	

PART 21 INTERIM REPORT - NOTIFICATION OF PRESSURE SEAL VALVE YOKE MATERIAL COMPLIANCE

The following information was received via fax:

"This letter provides interim notification of Crane Nuclear's investigation into ASME Boiler and Pressure Vessel [B&PV] Section III Code design Pressure Seal Valve orders for yokes with integral hubs acting as retaining rings. The information required for this notification is provided below:

"(i) Name and address of the individual or individuals informing the Commission.

Jason Klein
Sustaining Engineering Manager

Rosalie Nava
Director Safety and Quality
Crane Nuclear
860 Remington Blvd
Bolingbrook, IL 60440

"(ii) Identification of the basic component supplied for such facility or such activity within the United States which may fail to comply or contains a potential defect

This is an interim report. Crane Nuclear is currently investigating Pressure Seal Valve orders potentially having misclassified material and non-destructive examination requirements for Yokes with integral hub retaining ring designs. The material requirements are specified per Crane Procedure 03-107 which utilizes ASME B&PV Code

IE19
NRR

Case N-62-7 as guidance for material classification.

"(iii) Identification of the firm supplying the basic component which fails to comply or contains a defect.

Crane Nuclear
860 Remington Blvd
Bolingbrook, IL 60440

"(iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.

Crane Nuclear 'Classification of Valve Parts', Procedure 03-107, is guidance for appropriate material and NDE requirements for processing valve and valve part orders. The procedure is based on the ASME Code Case N-62-7. A yoke incorporating a threaded hub should be treated in the same manner as a threaded retaining ring requiring the material to be purchased Safety Related, ASME B&PV Section II, Part D materials, and required NDE (reference Category 3 valve items per N-62-7). Yokes with integral hubs acting as retaining rings may have been processed to material requirements without required CNI Classification per Procedure 03-107.

"(v) The date on which the information of such defect or failure to comply was obtained.

Crane Nuclear Engineering initiated investigation correspondence to Crane Nuclear Director of Safety and Quality via email correspondence dated Feb 20th, 2015.

"(vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part.

Crane has yet to determine the extent of Pressure Seal Valve designs sales order numbers (SO#) affected prior to 2001; the following Utility and Sites were supplied non-compliant CNI Procedure 03-107 Classification yokes for the following valve assemblies:

1. CNI SO# 24237-01, TVA, Browns Ferry, P.O. 00031943 - Quantity shipped = 1, Chapman, 8 [inch], Figure L953, Class 900, ASME Class 2, 95 Ed., 96 Add., no N stamp
2. CNI SO# 39501-01, Georgia Power, Hatch, P.O. SNG10016537 - Quantity shipped = 3, Crane, 3 [inch], Figure 776U, Class 600, ASME Class 3, 71 Ed., W71 Add.
3. CNI SO# 39745-01, Southern California Edison, San Onofre, P.O. 4500456451 - Quantity Shipped = 1, Aloyco, 4 [inch], Figure N5247PSB, Class 900, ASME Class 3, 71 Ed., S73 Add.

"(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

Crane Nuclear has completed sales orders search of Pressure Seal Valve designs with integral retaining ring hubs from 2001 to present identifying a total of 25 orders where three orders are impacted, as identified in part iv of this report (see above). Crane Nuclear is currently investigating sales orders previous to 2001, which will require an additional 30 days to complete (estimated completion date, August 6th, 2015).

Corrective action by Crane Nuclear is to review documentation of supplied material to determine if yokes can be recertified as currently supplied. A revision to Crane Nuclear Procedure 03-107 to add figures reflecting configurations, and clarify classifications with applicable training, is in-process.

"(viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

Crane Nuclear is notifying sites affected and are developing a plan to address the valve items.

"(ix) In the case of an early site permit, the entities to whom an early site permit was transferred.

Not applicable.

"Should you have any questions regarding this matter, please contact Jason Klein, Sustaining Engineering Manager at (630) 226-4953 or Rosalie Nava, Director of Safety and Quality at (630) 226-4940."

TELEPHONE (630) 226-4900
FAX (630) 226-4646
www.cranenuclear.com



NUCLEAR

CRANE NUCLEAR, INC. 860 REMINGTON BOULEVARD BOLINGBROOK, IL. 60440

Date: July 7, 2015

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

**Subject: 10 CFR Part 21 Interim Report
Notification of Pressure Seal Valve Yoke Material Compliance**

Dear Sir or Madam:

This letter provides interim notification of Crane Nuclear's investigation into ASME Boiler and Pressure Vessel Section III Code design Pressure Seal Valve orders for yokes with integral hubs acting as retaining rings. The information required for this notification is provided below:

(i) Name and address of the individual or individuals informing the Commission.

Jason Klein
Sustaining Engineering Manager

Rosalie Nava
Director Safety and Quality

Crane Nuclear
860 Remington Blvd
Bolingbrook, IL 60440

(ii) Identification of the basic component supplied for such facility or such activity within the United States which may fail to comply or contains a potential defect

This is an interim report. Crane Nuclear is currently investigating Pressure Seal Valve orders potentially having misclassified material and non-destructive examination requirements for Yokes with integral hub retaining ring designs. The material requirements are specified per Crane Procedure 03-107 which utilizes ASME B&PV Code Case N-62-7 as guidance for material classification.

(iii) Identification of the firm supplying the basic component which fails to comply or contains a defect.

Crane Nuclear
860 Remington Blvd
Bolingbrook, IL 60440

(iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.



NUCLEAR

TELEPHONE (630) 226-4900
 FAX (630) 226-4646
 www.cranenuclear.com

CRANE NUCLEAR, INC. 860 REMINGTON BOULEVARD BOLINGBROOK, IL. 60440

Crane Nuclear "Classification of Valve Parts", Procedure 03-107, is guidance for appropriate material and NDE requirements for processing valve and valve part orders. The procedure is based on the ASME Code Case N-62-7. A yoke incorporating a threaded hub should be treated in the same manner as a threaded retaining ring requiring the material to be purchased Safety Related, ASME B&PV Section II, Part D materials, and required NDE (reference Category 3 valve items per N-62-7). Yokes with integral hubs acting as retaining rings may have been processed to material requirements without required CNI Classification per Procedure 03-107.

(v) The date on which the information of such defect or failure to comply was obtained.

Crane Nuclear Engineering initiated investigation correspondence to Crane Nuclear Director of Safety and Quality via email correspondence dated Feb 20th, 2015.

(vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part.

Crane has yet to determine the extent of Pressure Seal Valve designs sales order numbers (SO#) affected prior to 2001; the following Utility and Sites were supplied non-compliant CNI Procedure 03-107 Classification yokes for the following valve assemblies:

1. CNI SO# 24237-01, TVA, Browns Ferry, P.O. 00031943 – Quantity shipped = 1, Chapman, 8", Figure L953, Class 900, ASME Class 2, 95 Ed., 96 Add., no N stamp
2. CNI SO# 39501-01, Georgia Power, Hatch, P.O. SNG10016537 – Quantity shipped = 3, Crane, 3", Figure 776U, Class 600, ASME Class 3, 71 Ed., W71 Add.
3. CNI SO# 39745-01, Southern California Edison, San Onofre, P.O. 4500456451) – Quantity shipped = 1, Aloyco, 4", Figure N5247PSB, Class 900, ASME Class 3, 71 Ed., S73 Add.

(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

Crane Nuclear has completed sales orders search of Pressure Seal Valve designs with integral retaining ring hubs from 2001 to present identifying a total of 25 orders where three orders are impacted, as identified in part iv of this report (see above). Crane Nuclear is currently investigating sales orders previous to 2001, which will require an additional 30 days to complete (estimated completion date, August 6th, 2015).

Corrective action by Crane Nuclear is to review documentation of supplied material to determine if yokes can be recertified as currently supplied. A revision to Crane Nuclear Procedure 03-107 to add figures reflecting configurations, and clarify classifications with applicable training, is in-process.



NUCLEAR

TELEPHONE (630) 226-4900
FAX (630)226-4646
www.cranenuclear.com

CRANE NUCLEAR, INC. 860 REMINGTON BOULEVARD BOLINGBROOK, IL. 60440

(viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

Crane Nuclear is notifying sites affected and are developing a plan to address the valve items.

(ix) In the case of an early site permit, the entities to whom an early site permit was transferred.

Not applicable.

Should you have any questions regarding this matter, please contact Jason Klein, Sustaining Engineering Manager at (630) 226-4953 or Rosalie Nava, Director of Safety and Quality at (630) 226-4940.

Regards,

A handwritten signature in black ink, appearing to be "JK", written over the printed name "Jason Klein".

Jason Klein