

Part 21 (PAR)

Event # 52204

Rep Org: CRANE NUCLEAR, INC.		Notification Date / Time: 08/26/2016 18:00 (EDT)	
Supplier: CRANE NUCLEAR, INC.		Event Date / Time: 08/03/2016 (CDT)	
Last Modification: 09/30/2016			
Region: 3	Docket #:		
City: BOLINGBROOK	Agreement State:		Yes
County:	License #:		
State: IL			
NRC Notified by: BURT ANDERSON	Notifications:	ANTHONY DIMITRIADIS	R1DO
HQ Ops Officer: DONG HWA PARK		ERIC MICHEL	R2DO
Emergency Class: NON EMERGENCY		JAMNES CAMERON	R3DO
10 CFR Section:		RAY KELLAR	R4DO
21.21(d)(3)(i)	DEFECTS AND NONCOMPLIANCE	PART 21/50.55 REACTORS	EMAIL

PART 21 - SAFETY RELATED COMPONENT WELDING BY AN UNQUALIFIED WELDER

The following was excerpted from a letter by Crane Nuclear, Inc.:

"Shielded metal arc welding (SMAW) with F-5 filler metal was welded on safety related components by an unqualified welder.

"Crane Nuclear Quality Assurance Manual, 12th Edition Rev. 2, dated 8/8/16 requires that welder performance qualification shall conform to the requirements of ASME Section IX for processing ASME B&PV Section III and safety related valve and valve part orders. During processing of a safety related order, it was identified that one welder was missing the required qualification documentation to perform weld repairs with F-5 filler metals (as defined in ASME Section IX) using the shielded metal arc welding process (SMAW). The safety hazard which could be created by such a defect could be a potential weld failure.

"Crane Nuclear has completed a review of all applicable welding records based on the welder hire date of September, 2011. We identified a total of 10 orders that were supplied with welding performed by an unqualified welder. Notification has been made to the purchasers of the affected safety related orders on the same date as this notification.

"Should you have any questions regarding this matter, please contact Burt Anderson, Site Leader, at (630) 226-4990, Rosalie Nava, Director of Safety and Quality at (630) 226-4940, or Jason Klein, Engineering Manager at (630) 226-4953."

The following facilities received these safety related orders: Duke-McGuire, Exelon-Byron, Duke-Brunswick, Entergy-ANO, Exelon-TMI, Exelon-Quad Cities, Exelon-Dresden.

IE19
NRR

*** UPDATE AT 2004 EDT ON 9/30/2016 FROM ROSALIE NAVA TO MARK ABRAMOVITZ ***

The following information was received via fax:

"This letter is intended to inform the U.S. Nuclear Regulatory Commission of actions taken to complete the Part 21 evaluation on the above referenced item. All of the following actions have been completed:

- 1) The welder has been qualified on the SMAW process utilizing F-5 filler metal and documented in accordance with ASME Section IX requirements.
- 2) The affected purchasers were provided with an initial 10CFR21 notification on August 26, 2016.
- 3) The affected purchasers were provided with the documentation detailing the scope of the welding performed on the affected components.
- 4) The affected purchasers were provided an investigation summary closure letter.
- 5) Crane Nuclear, Inc. Corrective Action Report 16-35 generated to determine root cause and implement appropriate corrective actions to prevent recurrence was completed and closed on September 30, 2016.

"Should you have any questions regarding this matter, please contact, Rosalie Nava, Director Safety and Quality at (630) 226-4940, or Burt Anderson, Site Leader. at (630) 226-4990."

Notified R1DO (Cook), R2DO (Desai), R3DO (Stone), R4DO (Groom), and the Part 21 Group (via e-mail).



NUCLEAR

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CRANE NUCLEAR, INC.

860 REMINGTON BOULEVARD

BOLINGBROOK, IL 60440

Date: September 30, 2016

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

Subject: 10 CFR Part 21 Evaluation Completed

Reference: ML16243A475
Crane Nuclear, Inc. Letter dated Aug. 26, 2016 – Initial 10 CFR Part 21 Notification
Safety Related Component welding by an Unqualified Welder

Dear Sir or Madam:

This letter is intended to inform the U.S. Nuclear Regulatory Commission of actions taken to complete the Part 21 evaluation on the above referenced item.

All of the following actions have been completed.

- The welder has been qualified on the SMAW process utilizing F-5 filler metal and documented in accordance with ASME Section IX requirements.
- The affected purchasers were provided with an initial 10CFR21 notification on August 26, 2016.
- The affected purchasers were provided with the documentation detailing the scope of the welding performed on the affected components.
- The affected purchasers were provided an investigation summary closure letter.
- Crane Nuclear, Inc. Corrective Action Report 16-35 generated to determine root cause and implement appropriate corrective actions to prevent recurrence was completed and closed on September 30, 2016.

Should you have any questions regarding this matter, please contact, Rosalie Nava, Director Safety and Quality at (630) 226-4940, or Burt Anderson, Site Leader, at (630) 226-4990.

Sincerely,

Crane Nuclear, Inc.

Rosalie Nava
Director Safety and Quality