

## **NRR-PMDAPEm Resource**

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**From:** Chawla, Mahesh  
**Sent:** Thursday, July 20, 2017 1:48 PM  
**To:** Davis, J.Michael (J.Michael.Davis@nexteraenergy.com);  
laura.swenzinski@nexteraenergy.com; Murrell, Bob (Bob.Murrell@nexteraenergy.com);  
Catron, Steve (Steve.Catron@fpl.com)  
**Subject:** Request for Additional Information - Duane Arnold Energy Center - Relief Request  
RR-01 - Extension of Permanent Relief from Ultrasonic Examination of RPV  
Circumferential Shell Welds For the Renewed Operating License Term - MF9380

By letter dated March 7, 2017 (Agencywide Documents Access and Management System Accession No. ML17069A172), NextEra Energy Duane Arnold, LLC (the licensee) submitted Relief Request No. 1 with a proposed alternative to the U.S. Nuclear Regulatory Commission (NRC) for relief from certain American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), Section XI requirements for inspection of reactor pressure vessel (RPV) circumferential welds at Duane Arnold Energy Center (DAEC).

The NRC staff has reviewed the submittal and determined that the additional information below is needed to complete the review.

### **RAI-1**

The listed component numbers under "ASME Code Component(s) Affected" contains a potential misprint. Component Number VCB-A002 stands out from the rest of the component numbers: VCB-B001, VCB-B003, and VCB-B004. Please confirm that Component Number VCB-A002 is correct.

### **RAI-2**

The proposed alternative contains several elements. The first element states that, "The examination requirements of ASME Code Section XI, Table IWB-2500-1, Examination Category B-A, Item No B1.12, for the RPV longitudinal shell welds, also known as vertical or axial welds, will be performed as required to the extent possible." Please note that "to the extent possible" (a qualitative description) could be interpreted as an effort very different from the ASME Code required "essentially 100% of the weld length" (a quantitative description). Please clarify the statement "to the extent possible" and note that if DAEC's future inspection of RPV axial welds is less than the ASME code requirement of "essentially 100% of the weld length," a request of relief from the ASME Code is required.

Please arrange a teleconference with the NRC staff to discuss the above requested information. Thanks

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