

AP1000DCDFileNPEm Resource

From: Behnke, Donald H. [behnkedh@westinghouse.com]
Sent: Wednesday, May 26, 2010 9:15 AM
To: Donnelly, Patrick; Loza, Paul G.
Cc: McKenna, Eileen; Terao, David; Davis, Robert; Makar, Gregory; Watson, Jill S; Rao, Gutti V.
Subject: RE: AP1000 - New Draft RAI - RAI-SRP6.1.1-CIB1-02

Patrick,

We accept this RAI.

Don

From: Donnelly, Patrick [mailto:Patrick.Donnelly@nrc.gov]
Sent: Wednesday, May 19, 2010 12:17 PM
To: Behnke, Donald H.; Loza, Paul G.
Cc: McKenna, Eileen; Terao, David; Davis, Robert; Makar, Gregory
Subject: AP1000 - New Draft RAI - RAI-SRP6.1.1-CIB1-02

Don, Paul:

Below is a new draft RAI on Chapter 6.1.1. Please let me know if it is accepted or if a conference call is desired.

Regards,

Patrick

RAI-SRP6.1.1-CIB1-02 - [LDX 2101 stainless steel](#)

The AP1000 DCD, Revision 17, modifies the materials used in the IRWST to LDX 2101 from XM-29. In the applicant's response to Supplemental RAI TR106-CIB-05, dated May 14, 2008, the applicant stated that it would conduct a confirmatory corrosion testing program to demonstrate the adequacy of LDX 2101. The applicant stated that its confirmatory corrosion testing program includes LDX 2101 base material and weld filler materials that bound those filler materials that will be used during fabrication. The applicant also stated that the tests would include uniform corrosion, stress corrosion cracking and crevice corrosion tests. In addition, the applicant stated that its test program is designed to establish test data on LDX 2101 material and its welds on their susceptibility for any potential for degradation under exposure to oxygenated boric acid with halogen (chloride) contamination and in crevice corrosion conditions under accelerated service conditions to demonstrate a service life of 60 years. In order for the staff to reach a final safety determination on the applicant's use of LDX 2101, the staff requests that the applicant provide the results (test data) from its LDX2101 corrosion testing program and describe the extent to which results confirm that LDX 2101 will not be subject to general corrosion, stress corrosion or other forms of degradation for the design life of the plant.

Patrick Donnelly

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Received Date: 5/26/2010 9:15:17 AM
From: Behnke, Donald H.

Created By: behnkedh@westinghouse.com

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