AP1000DCDFileNPEm Resource

From: Ray, Thomas J. [raytj@westinghouse.com]
Sent: Tuesday, January 12, 2010 3:31 PM
To: Donnelly, Patrick; Loza, Paul G.
Cc: Snodderly, Michael; McKenna, Eileen; Chien, Nan; Butler, Rhonda; Hebbar, Sudha; Segala, John; Lindgren, Donald A.; Pfister, Andrew F.; Jackson, Christopher; Salkeld, Nicholas E.
Subject: RE: AP1000 - New Draft RAI - RAI-SRP6.4-SPCV-11 R1

Patrick,

Please consider this email as the official acceptance of the revision to RAI-SRP6.4-SPCV-11.

Thanks,

Thom Ray

From: Donnelly, Patrick [mailto:Patrick.Donnelly@nrc.gov]
Sent: Tuesday, January 12, 2010 3:25 PM
To: Ray, Thomas J.; Loza, Paul G.
Cc: Snodderly, Michael; McKenna, Eileen; Chien, Nan; Butler, Rhonda; Hebbar, Sudha; Segala, John; Lindgren, Donald A.; Pfister, Andrew F.; Jackson, Christopher
Subject: AP1000 - New Draft RAI - RAI-SRP6.4-SPCV-11 R1

Thom & Paul,

Below is a draft supplemental question to RAI-SRP6.4-SPCV-11. This RAI was discussed in a conference call on 1/12. The RAI was accepted at the call, but please provide an e-mail response for the record.

Note: Per our discussion, there will be a change in the tested efficiency of the charcoal filter, and an associated change to the methyl iodide penetration allowed in the TS. This TS change is provided in RAI-SRP6.4-SPCV-10, which will therefore require a revision as well.

Regards-

Patrick

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Draft **RAI-SRP6.4-SPCV-11 R1**

Regulatory Guide (RG) 1.52 Rev 3 Table 1 includes maximum credited efficiencies and associated testing penetration limits. You have chosen to use values that differ from those in Table 1. Although this can be acceptable, it requires justification as an exception to the RG.

A) As described in Note 1 of the RG the values in Table 1 assume a residence time of 0.25 inches/second or greater and a 1% bypass is assumed. As a result --
1) Please verify that the residence time across the carbon filter in the housing will be greater than or equal to 0.25 inches/second and ensure that an accompaning description is included in the DCD/FSAR.
2) Please account for a 1% bypass in the calculation of the acceptance criteria for the penetration limit.

B) Table 1 of the RG uses the same value for elemental and organic iodine efficiencies. Your proposal uses different efficiencies. Please explain and justify, with data, why testing organic iodine to an efficiency of 30% demonstrates that the elemental iodine efficiency is 90% or greater?

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Patrick Donnelly
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Hearing Identifier: AP1000_DCD_Review
Email Number: 334

Mail Envelope Properties (A4A726A57C084644B3DCCD1536755D69D490C428)

Subject: RE: AP1000 - New Draft RAI - RAI-SRP6.4-SPCV-11 R1
Sent Date: 1/12/2010 3:31:02 PM
Received Date: 1/12/2010 3:31:04 PM
From: Ray, Thomas J.

Created By: raytj@westinghouse.com

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