HLWYM HEmails

From: Richard Codell
Sent: Wednesday, April 28, 2004 7:48 PM
To: David Pickett
Subject: RE: revised analysis for drip shield corrosion by fluoride

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David:
I sample from a wide range of input flows,so the analysis should cover both high and low values. Low rates of influx don't overflow the dent as much, but the fluoride is consumed and this drops the concentration. The model is simple, but its the first time, I think, that all the factors of infiltration, evaporation, overflow and reaction rate have been combined.
Dick

<<< David Pickett <dpickett@cnwra.swri.edu> 4/27 5:05p >>> Dick,

This was forwarded to me. I can't speak to the math - to my simple mind, a geometrically simple problem like this should be easily solvable...shows how much I know about math.... But I do have one question: is it really conservative to assume a high infiltration/reflux rate? I could conceive that lower rates would allow less mixing with fresh, incoming, more dilute water, so that the water in the dent could reach higher fluoride concentrations.

David

> -----Original Message-----
> From: Richard Codell [mailto:RBC@nrc.gov]
> Sent: Wednesday, April 21, 2004 5:06 PM
> To: Darrell Dunn; Osvaldo Pensado; Sitakanta Mohanty; Bret Leslie;
> Christopher Grossman; Hans Arlt; Timothy McCartin; Tae Ahn
> Cc: Andy Campbell
> Subject: revised analysis for drip shield corrosion by fluoride
>
>
> I have revised the drip shield corrosion model, and feel pretty
> confident that the drip shield will not fail by general corrosion from
> fluoride within 10,000 years. I invite your review and comments, and
> hope to discuss this at the next tspai meeting. Please forward this to
> anyone you think might be interested in commenting.
>
> Dick Codell
>
>

Hearing Identifier: HLW_YuccaMountain_Hold_EX
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Mail Envelope Properties (s0900a66.033)

Subject: RE: revised analysis for drip shield corrosion by fluoride
Sent Date: 4/28/2004 7:47:41 PM
Received Date: 4/28/2004 7:46:54 PM
From: Richard Codell

Created By: Richard.Codell@nrc.gov

Recipients:
"David Pickett" <dpickett@cnwra.swri.edu>
Tracking Status: None

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Files	**Size**	**Date & Time**
MESSAGE	1666	4/28/2004 7:46:54 PM

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