

HLWYM HEmails

From: Pavan Shukla
Sent: Friday, February 23, 2007 9:44 AM
To: 'CSPE_Group'; Lietai Yang; Ken Chiang
Cc: Osvaldo Pensado
Subject: FW: Please take a look at this

Please see this discussion between me and Jim.

-Pavan

From: Jim Myers [mailto:jmyers@cnwra.swri.edu]
Sent: Friday, February 23, 2007 8:18 AM
To: 'Pavan Shukla'
Subject: RE: Please take a look at this

James L. Myers, Ph.D.
Senior Research Scientist
Geosciences and Engineering Division
Center for Nuclear Waste Regulatory Analyses
Southwest Research Institute
Ph: 210-522-6650
Fax: 210-522-6081

-----Original Message-----

From: Pavan Shukla [mailto:pshukla@cnwra.swri.edu]
Sent: Friday, February 23, 2007 8:03 AM
To: jmyers@cnwra.swri.edu
Subject: Please take a look at this

Jim,

In EBSFAIL, the condition for aqueous corrosion initiation is specified by *CriticalRelativeHumidityAqueousCorrosion*. Hence, the aqueous corrosion is initiated when RH is greater than the specified parameter. However, in the nearfield environment module, the aqueous corrosion Environment is further divided into Environment1 and 2.. Envirment1 is defined when QhitWP(m3/yr) is equal to zero whereas in Environment2 QhitWP(m3/yr) is greater than zero. Waste packages would experience only general corrosion under passive conditions in Environment1 because no in-drift water would contact the waste packages [and the chemistry is not conducive to localized corrosion](#), where as in Environment2, the waste packages could experience the localized corrosion due to direct contact of in-drift water with waste packages [and potentially corrosive chemistries due to evaporative concentration of seepage waters](#). QhitWP(m3/yr) is determined by the temperature switch set in UZFLOW module.

Pavan K. Shukla
Center for Nuclear Waste Regulatory Analyses
Southwest Research Institute
6220 Culebra Road
San Antonio, TX 78228
V: (210) 522 6534
F: (210) 522 6081

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Email Number: 1658

Mail Envelope Properties (000201c75759\$153e0380\$sec8a281)

Subject: FW: Please take a look at this
Sent Date: 2/23/2007 9:44:12 AM
Received Date: 2/23/2007 9:44:13 AM
From: Pavan Shukla

Created By: pshukla@cnwra.swri.edu

Recipients:

"Osvaldo Pensado" <opensado@cnwra.swri.edu>
Tracking Status: None
"CSPE_Group" <CSPE_Group@cnwra.swri.edu>
Tracking Status: None
"Lietai Yang" <ltyang@cnwra.swri.edu>
Tracking Status: None
"Ken Chiang" <kchiang@cnwra.swri.edu>
Tracking Status: None

Post Office: cnwra.swri.edu

Files	Size	Date & Time
MESSAGE	1960	2/23/2007 9:44:13 AM

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received: