

HLWYM HEmails

From: Tae Ahn
Sent: Monday, April 28, 2008 9:53 AM
To: Sheena Whaley
Cc: Oleg Povetko; Hipolito Gonzalez; David Pickett
Subject: RE: neutron absorbing materials

Sheena, I have reviewed most of these papers and I have received the same notes from Xihua too. In the last ASTM subcommittee meeting at NRC, we discussed large uncertainties associated with (i) general corrosion data and (ii) the extent of susceptibility to localized corrosion, for borated stainless steel. Actually, ENG 4 needs to take an action about any tests on this issue. Before taking this action, I would like to learn more about any tests during the LA review. For example, the management may or may not recommend spent fuel tests during LA reviews. Based on this recommendation, we can have better plan for any tests on borated stainless steel too. Tae

From: Sheena Whaley
Sent: Monday, April 28, 2008 9:40 AM
To: Tae Ahn
Subject: FW: neutron absorbing materials

What do you think?

Sheena

From: Oleg Povetko [mailto:opovetko@cnwra.swri.edu]
Sent: Friday, April 18, 2008 5:42 PM
To: Sheena Whaley
Subject: FW: neutron absorbing materials

Sheena,

I placed two INL NACE 2008 conference papers on neutron absorbers and Xihua's trip report on shared drive: <X:\Oleg Povetko\Criticality\Neutron Absorbers\NACE 08>

Please let us know if it would be potentially beneficial to acquire now borated stainless steel and Ni-Cr-Mo-Gd samples from INL. No tests will be performed at this time.

Oleg.

From: Xihua He [mailto:xhe@cnwra.swri.edu]
Sent: Wednesday, April 09, 2008 1:41 PM
To: Oleg Povetko
Cc: David Pickett
Subject: neutron absorbing materials

Oleg,

As I mentioned previously, there were two papers about the neutron absorbing materials presented at the NACE conference. I had a short summary on the papers in the trip report, which is at <S:\XHe\NACE2008 trip report>. The two papers are at X: or N:\ENG4\NACE08590 and NACE08592. I had a chat with Ron Mizia. The tests at Idaho National Lab are not complete because of budget

issue. Based on their test results the fate of the boride particles in borated stainless steel is still uncertain. They have some borated stainless steel and Ni-Cr-Mo-Gd materials available to give to us if we want to do some tests. The results in the literature are very limited and not conclusive on the neutron-absorbing elements (B and Gd).

David,

If we need to do some tests in the future, I can ask Ron Mizia at INL to send the material to us. Please let me know if you want me to proceed.

Thanks,
Xihua

Hearing Identifier: HLW_YuccaMountain_Hold_EX
Email Number: 1709

Mail Envelope Properties (1FA53ADF29758448974A8AC1118E627EA23FBE8511)

Subject: RE: neutron absorbing materials
Sent Date: 4/28/2008 9:53:17 AM
Received Date: 4/28/2008 9:53:19 AM
From: Tae Ahn

Created By: Tae.Ahn@nrc.gov

Recipients:

"Oleg Povetko" <opovetko@cnwra.swri.edu>
Tracking Status: None
"Hipolito Gonzalez" <Hipolito.Gonzalez@nrc.gov>
Tracking Status: None
"David Pickett" <dpickett@cnwra.swri.edu>
Tracking Status: None
"Sheena Whaley" <Sheena.Whaley@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	2579	4/28/2008 9:53:19 AM

Options

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