

From: "Tom Thompson" <TThompson@nacintl.com>
To: Tim McGinty <TJM1@nrc.gov>
Date: Wed, Jun 7, 2000 1:26 PM
Subject: Re: Drawings changes for NAC-UMS per NUTUG comments [REVISED 6/7/00]

Tim,

NAC has completed an internal 72.48 evaluation based on a nuclear shielding evaluation that demonstrates the acceptability of the change. NS-3 was not previously included in the submittal. NS-3 is a cementitious, castable neutron and/or gamma shielding material. It is a high hydrogen, medium temperature, attenuation product designed for use in radioactive shipping and disposal casks, shielding doors, etc. NS-3 is another of the products developed by BISCO/Dow, purchased by GENDEN (now JAPC) and distributed by NAC International.

NS-3 has previously been documented and used in a VECTRA (now TN-WEST) transfer cask used at Oconee and in the MPC-187 casks being fabricated for TN-WEST for use at the SMUD Rancho Seco Plant.

Your comment on acceptance for incorporation is understood; that was the basis for our parallel path of doing the 72.48 evaluation. NS-3 properties and characteristics are appropriately documented and its performance is acceptable.

Tim McGinty <TJM1@nrc.gov>
06/07/00 10:40 AM

To: TThompson@nacintl.com
cc:
Subject: Re: Drawings changes for NAC-UMS per NUTUG comments [REVISED 6/7/00]

NS-3? What is that? Has there been any type of an evaluation of this as a material, to date?

This is the first time I heard of this. Has this always been in the application as a material? I will let others team members know about it, but at first glance, I'm not sure I would count on getting that one.

Tim

>>> "Tom Thompson" <TThompson@nacintl.com> 06/07 9:08 AM >>>
Tim,

C/40

Please disregard my earlier e-mail of this morning. I have corrected the description of the alternate configuration of the VCC shield plug.

I have reviewed the NUTUG drawing change comments with respect to the Draft CoC, Tech Specs, and SER. I found only one drawing change that would affect descriptive text (in the SER), as follows:

Drawing 790-564 proposes inclusion of an alternate configuration of the VCC shield plug, providing a 3.81-cm (1.5-inch) thickness of NS-3 neutron shielding material, versus the 2.54 cm (1.0 inch) thickness of NS-4-FR in

the original configuration that is described in SER Section 5.1.2 in the second paragraph on Page 5-2.

The alternate configuration provides increased shielding capability and, therefore, better protection of public health and safety.

Please advise if further input by NAC is needed.

Tom

P.S. Charlie Pennington, Bill Lee, Jim Ballowe, and I plan to be in the WF1 lobby by 1:00 PM for tomorrow's meeting on the Advance UMS System. The Meeting Notice says One White Flint North, Room 9-B-4.

Tim McGinty <TJM1@nrc.gov>
06/02/00 03:49 PM

To: TThompson@nacintl.com
cc:
Subject: Drawings changes for NAC-UMS per NUTUG comments

Tom:

We may be in a position to agree in full with the first NUTUG comment, implementing the drawing changes. The one thing I would not want to do is

to contradict the existing SER that went out on November 1 due to any of the drawing changes.

Therefore, I ask your help (I have also asked the team to consider) to call to my attention if you think the drawing changes affect anything written in the CoC, Tech Specs or SER. I am hoping there are no such instances, but would feel better if you gave some thought to that also.

It appears that we are not in a position to grant all of the Tech Spec changes that were asked in the NUTUG comments, not because we don't want to, but primarily because it would not be fully supported within the existing documents that went out for public comment (i.e., I couldn't get away with it unless I re-opened the public comment period). Some we can, some we can't. I am trying to get it to the point of letting you know exactly what we can and can't...I would anticipate next week, at which time you need to obviously respond by sending in the final SAR so we can finish this thing.

Tim

!

CC: "Licensing Task Force" <Licensing_Task_Force@nacin...