

From: Staab, Christopher
Sent: Thursday, October 08, 2009 11:03 AM
To: Michael.Conroy@dot.gov
Subject: Shielding Information and proposed path forward to support phone call (attached and below):
Attachments: Shielding SER for NCS ReV 1 (10.5.09).doc

Mike,

Some info to support today's phone call, if we can put it together:

"Attached is a draft SER for the NCS 45 package. Please note that I have included a proposed solution to the problem we ran into in the review. The problem is that the approach used in the SAR is not based on contents, rather it left for the users to figure out what amount of irradiated fuel can be put into the cask. What presented in the SAR is not a package design, rather it is a packaging design.

My recommendation is to approve this design but with further limit on quantity that can be shipped per package. Since the dose rate calculations were based on a 60 GWd/MTU burnup fuel, I used that as a basis for limiting the content for burnup greater than the design basis content.

Also, since the equations for figuring out the amount of radioactive materials were derived from data of a similar cask design, I propose to use the error of the calculated/measured as the basis for further reducing the allowable payload."

Thanks,

Chris

E-mail Properties

Mail Envelope Properties ()

Subject: Shielding Information and proposed path forward to support phone call (attached and below):
Sent Date: 10/8/2009 10:58:34 AM
Received Date: 10/8/2009 11:03:00 AM
From: Staab, Christopher

Created By: Christopher.Staab@nrc.gov

Recipients:

Michael.Conroy@dot.gov (Michael.Conroy@dot.gov)
Tracking Status: None

Post Office:

Files	Size	Date & Time	
MESSAGE	73569	10/8/2009	
Shielding SER for NCS ReV 1 (10.5.09).doc	63846		

Options

Expiration Date:

Priority: olImportanceNormal

ReplyRequested: False

Return Notification: False

Sensitivity: olNormal

Recipients received: *ZZZ*