

NOTE TO: FILE

DOCKET NO.: 71-3080

SUBJECT: 11/08/2013, 1:00PM FOLLOW UP CONFERENCE CALL TO DISCUSS
TN'S RESPONSE TO RAI NUMBER FIVE REGARDING THE
REVALIDATION OF MODEL NUMBER ANF-50 (D/4365/AF-96,
REVISION 1) (TAC NO. L24702)

ATTENDEES¹: NRC
Norma Garcia-Santos, Project Manager
Veronica Wilson, Criticality Safety and Shielding Reviewer

DOT
Michael Conroy, Project Manager

TN
Prakash Narayanan, Deputy Director of Design Engineering
Don Shaw, Director of Regulatory Affairs
Nicolas Guibert, Project Manager, Front End Business Line
Philippe Pham Tam Trieu, Nuclear Analysis Manager
Jason Heineman, Fleet Asset and Maintenance Support
Glenn Mathues, Licensing Engineer for Transportation

DISCUSSION:

On November 8, 2013, NRC, DOT, and TN participated on a phone call to discuss the response to a request for additional information (RAI) (RAI number 5) related to criticality safety for the Model ANF-50² package; as part of the revalidation review of this package. The staff pointed out that no moderator was assumed presenting the criticality model for air transport of the ANF-50. Based on the response to the RAI provided by the applicant, there would be moderator in the form of plastic wrap shipped with the contents. The staff asked if there was a limit of the amount of hydrogenous material (i.e., plastic) that could be placed in the package. The applicant agreed that the calculations did not assume the presence of hydrogenous material in the package during air transport. The staff suggested a limit of 1-kilogram of plastic in the package, based on an independent calculation, recognizing that, the possible hydrogenous content during air transport may be "plastic wrap," if needed. After a brief discussion, the applicant agreed to resubmit the RAI response stating that "use of any plastic material [moderator material] is not allowed during air transport..." to maintain consistency with the evaluation of record. The staff agreed with the suggested approach and would review the submittal to determine the adequacy of the response.

In terms of the structural review, the staff agreed to contact DOT, if any issues are identified with the RAI responses provided by the applicant.

¹ NRC, DOT, and TN mean U.S. Nuclear Regulatory Commission, U.S. Department of Transportation, and Transnuclear.

² German Certificate of Approval number D/4365/AF-96, Revision 1, for the Model number ANF-50 package.