March 11, 2010

Mr. Donald Shaw
Licensing Manager
Transnuclear, Inc.
7135 Minstrel Way, Ste. 300
Columbia, MD 21045

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR REVIEW OF THE MODEL NO. ANF-250 PACKAGING, DOCKET NO. 71-9217

Dear Mr. Shaw:

By letter dated December 23, 2009, you submitted an application for renewal and revision to Certificate of Compliance (CoC) No. 9217 for the Model No. ANF-250 Packaging (ANF-250). The application proposes to add shallow angle drop testing results to the ANF-250 Safety Analysis Report and to revise criticality analyses to reflect current codes and to distinguish scrap from pellets. Our established schedule provides a CoC issuance date of June 1, 2010.

In connection with the staff's review, we need the information identified in the enclosure to this letter. We request that you provide this information by April 8, 2010, or earlier if possible. Inform us at your earliest convenience, but no later than March 25, 2010, if you are not able to provide the information by that date. To assist us in re-scheduling your review, you should include a new proposed submittal date and the reasons for the delay.

Please reference Docket No. 71-9217 in future correspondence related to this request. The staff is available to meet to discuss your proposed responses. If you have any questions regarding this matter, I may be contacted at (301) 492-3394 or you may contact Chris Staab of my staff at (301) 492-3321.

Sincerely,

Signed

/RA/
Eric Benner, Chief
Licensing Branch
Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety
and Safeguards

Docket No. 71-9217
TAC No. L24406

Enclosure: Request for Additional Information

cc: E. Redmond, Nuclear Energy Institute

Mr. Donald Shaw
Licensing Manager
Transnuclear, Inc.
7135 Minstrel Way, Ste. 300
Columbia, MD 21045

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Enclosure: Request for Additional Information
cc: E. Redmond, Nuclear Energy Institute
DISTRIBUTION: SFST r/f NMSS r/f BWhite, NMSS Email to elr@nei.org
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DATE:	3/9/2010		3/11/2010		3/11/2010		3/11/2010		3/11/2010		3/9/2010	
OFC:	SFST		SFST		SFST		SFST		SFST		SFST	
NAME:	EBenner											
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Transnuclear, Inc.

Docket No. 71-9217

Request for Additional Information

Model No. ANF-250

By letter dated December 23, 2009, you submitted an application for renewal and revision to Certificate of Compliance (CoC) No. 9217 for the Model No. ANF-250 Packaging (ANF-250). This Request for Additional Information (RAI) identifies information needed by the U.S. Nuclear Regulatory Commission (NRC) staff in connection with its review of the application. Each individual RAI describes information needed by the staff for it to complete its review of the application to determine whether the applicant has demonstrated compliance with the regulatory requirements.

Structural

1-1 Perform a structural similarity evaluation of the two closure ring configurations, "Half-Circle" and "V," to demonstrate comparable structural capability for retaining the container closure lid in place during the shallow-angle drop test.

In the December 17, 2009, application meeting, reference was made on the "Half-Circle" and "V" closure ring configurations used in testing ANF-250 Containers #1230 and #980, respectively. As evidenced in the two puncture tests, Container #1230 was shown structurally adequate in retaining its closure lid during the shallow-angle drop. A structural evaluation must be provided to demonstrate the "V" type closure ring is equally effective for the same closure lid retaining function.

This information is required for evaluating the packaging to ensure its structural adequacy in meeting the requirements of 10 CFR 71.73(c)(3) on package free-drop tests.

Criticality

2-1 Revise the application to evaluate the number (N) of packages that can be shipped according to the Criticality Safety Index calculations.

Table 6-1 of the application appears to indicate that the calculated number of packages that can be shipped is 132 for UO_2 Pellets, Normal Conditions of Transport (NCT) Array = 13x13x4, Hypothetical Accident Conditions (HAC) Array = 11x12x2, 56 for UO_2 Pellets, NCT Array = 11x12x3, HAC Array = 8x7x2, and 56 for UO_2 Pellet Scrap, NCT Array = 11x12x3, HAC Array = 8x7x2. Based on staff's review, these values need to be corrected.

This information is required in order for the staff to ensure that the package will meet the criticality safety requirements of 10 CFR 71.55 and 10 CFR 71.59 when loaded with the contents described in the application.