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25 June 2015

Mr. Bernard White IV
Senior Project Manager
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
11555 Rockville Pike, Mailstop: EBB-3D-02M
Rockville, MD 20852

RE: USA/9357/B(U)-96 DOCKET: 71-9357 TAC No. L24960

Dear Mr. White:

The following is provided in response to your letter dated 14 April 2015 regarding our license amendment request:

1. *Provide supporting information to show the Sentry package will maintain its ability to meet 10 CFR 71 after NCT and HAC tests given the raised rear plate assembly beyond the port tube. Describe how the optional spacer ring and dust cover will affect performance of the package when subjected to NCT and HAC tests. If the package's ability to perform acceptably under these conditions depends at all on the spacer ring or dust cover, provide material properties of these components and list them on the drawings as needed.*

   Compliance to the NCT and HAC tests in 10 CFR 71 for the Sentry 867 package with the raised rear plate assembly beyond the port tube was demonstrated based on physical testing and assessment documented in Test Plan 213, Test Plan 213 Report and applicable sections of the SAR Revision 3 enclosed. The test specimen/package construction for the Model 867 used in this testing and assessments was compliant to the 867 configuration shown on drawing R86000 Revision M which includes the raised dust cover assembly with cover shield disk. As demonstrated in the enclosed documentation, the Model 867 as specified on drawing R86000 Revision M meets the NCT and HAC test criteria specified in 10 CFR 71.

   Drawing R86000 Revision L already includes applicable material identification for the spacer ring and dust cover components in the tables included on sheets 6 and 10. Where important to the package safety/integrity, material properties to a recognized standard are included in the material description.

2. *Provide all necessary dimensions of the rear plate assembly on all sheets of Drawing No. R86000. Specifically on R86000 Revision L, sheet 6, Section A6-A6 does not indicate how wide the dust cover assembly is, nor how wide the other components in the rear plate assembly are. A dimensioned, special relation of the rear plate assembly to the port tube should also be shown, as it is unclear how far the rear plate assembly protrudes beyond it, nor how close it is to the port tube. Dimensions indicating thickness of the dust cover, particularly over the tungsten cover shield, should also be indicated as well as any missing dimensions (length, width, and depth) for all components in the view. Any other sheets such as Drawing No. R86000 Revision L, sheet 10 should also show dimensions that would not be appropriate in Section A6-A6 on sheet 6.*

   Sheet 6 of drawing R86000 Revision M now includes added dimensions for the dust cover/components relative to the port tube of the Model 867. Additional dust cover component dimensions were also added to drawing R86000 Revision M, sheet 10. (See enclosed drawing R86000 Revision M along with Summary Table of Changes to Drawing R86000 Revision L to Revision M).

NMSS01

We trust this response addresses the concerns raised in your letter dated 14 April 2015. Enclosed with this response is a full re-submission of the SAR including all referenced appendices and drawings. Also enclosed with this response is a list of affected pages for Revision 3 of the SAR, a summary table of changes to the SAR from Revision 2 to Revision 3, and a summary table of changes to drawing R86000 Revision L to Revision M. Should you have any additional questions or wish to discuss this response after receipt please feel free to contact me.

Sincerely,

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S. Grant — Engineering Approval — 25 JUN 2015 — Date

RA/QA Approval — 26 JUN 2015 — Date

Enclosure:

- Drawing R86000 Revision M
- List of Affected Pages
- SAR Revision 3
- Summary Table of Changes for SAR Revision 2 to SAR Revision 3
- Summary Table of Changes for R86000 Revision L to R86000 Revision M

cc: ATTN: Document Control Desk
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