

February 14, 2011

Mr. Pierre M. Saverot – Project Manager
Office of Nuclear Material Safety and Safeguards
Mail Stop: EBB-3D-02M
United States Nuclear Regulatory Commission
Executive Boulevard Building
6003 Executive Boulevard
Rockville, Maryland 20852

RE: Request for Addition to Contents - Amendment Request to Certificate of Compliance No. 9342 for the Model No. Versa-Pac Package, Docket No. 71-9342

Dear Mr. Saverot,

Century Industries would like to thank you and your staff for commenting on our recent inquiry concerning the acceptability of transporting Th232 within the Versa-Pac Shipping Container.

Certificate Number	Model Number
USA/9342/AF	VP-55 & VP-110

Our customer has indicated that they wish to ship High Temperature Gas Reactor TRISO fuel material which is described as C/SIS/C coated ThUC₂ particles pressed with a carbon matrix to form rods approximately ½ inch x 2 inch long. Each rod weighs 12.5 grams containing up to 0.4 grams U-235. The rods are packed in cans with pressed lids to be transported in the Versa-Pac containment.

As stated during our conversation we referred to the A2 Tables found in 49CFR 173.435 and RQ Table 49CFR 172.101 App. A, which show the reportable Th232 as unlimited and as noted the current revision of the Certificate of Compliance under Section 3 states that contents are limited to normal form material with the A2 value applied to the package and that the radionuclide inventory of the loaded contents were to be less than the calculated mixture A2 value.

Base upon preliminary review and conversations the Th232 material is unlimited in Table A2 and should be acceptable for transport.

Therefore, we would therefore respectfully request that an amendment to the contents in Section 5(b)(1) of Certificate of Compliance 9342 be granted with the TRISO Fuel

material described above, limited a maximum of 350 grams of U235, currently approved and Thorium 232 added to the acceptable materials that can be transported in the Versa-Pac Shipping Container.

If you or your staff have any questions, or need any additional information, please let me know.

Sincerely,

William M. (Mike) Arnold
President – Century Industries
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E-mail: CenturyIndWMA@aol.com

Cc: File