



Department of Energy

Oak Ridge Operations Office
P.O. Box 2001
Oak Ridge, Tennessee 37831—

July 2, 2004

Thomas Herrera
Materials Safety and Inspection Branch
Division of Industrial and Medical Nuclear Safety
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Dear Mr. Herrera:

REQUEST TO INACTIVATE NR-0277-S-107-S REGISTRATION CERTIFICATE

Reference your letter of June 17, 2004, to me, regarding the subject Sealed Source and Device (SSD) Registration. I offer the following additional information in response to the items requested:

1. The total number of the products sold and the number of products still in use.

Our records do not show that Oak Ridge National Laboratory (ORNL) has ever made, sold or loaned any sources of this design. Savannah River [the original applicant for this registration on behalf of the Department of Energy (DOE)] made at least a few and sold or loaned them. When the Cf-252 Program was transferred from the Savannah River Site to ORNL in the mid-1980's, we received no records from Savannah River indicating how many of these sources they had produced, but we did receive two sources of this type which we currently have in our storage pool. These two are not for sale or loan and were presumably returned from entities who had gotten them from Savannah River. These two sources will eventually be combined with a number of other "surplus" sources at some point in the future and the Cf-252 will be recaptured, "milked" for the research isotope Cm-248, chemically purified and supplied to new Cf-252 customers. We have no records or knowledge of other sources of this type in existence.

2. The service (including source replacement and availability) the registration certificate holder will still provide to the users of the product or the identification of an entity that will provide services.

ORNL has no plans to make any additional sources of this type. However, any future need for this type of source could also be filled with source types we do provide such as the NR-0277-S-104-S or the NR-0277-S-106-S. Please note that ORNL is obligated to take back any sources of this type, which may in the future be identified, that were originally loaned by

NMSS12

July 2, 2004

DOE/Savannah River (sources SOLD by DOE become the sole responsibility of the purchaser) as long as they meet DOE's criteria (not breached or contaminated with other isotopes, etc.). Any such sources would join the two sources already in our storage pool as feedstock for a Cm-248 campaign.

3. A commitment that the registration certificate holder will no longer commercially distribute the product.

As noted above, ORNL has never distributed these sources and has no plans to distribute this model. We have other licensed sources, which we will rely on to meet future customer needs.

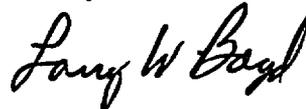
4. Verification that no changes were made to the product since its initial registration or last amendment.

Since we have never physically made any of these sources at ORNL, no changes have been made nor are any planned.

I trust that this information will prove sufficient to allow you to transfer the registration for this certificate to inactive status.

If there are any additional questions or need to discuss this item further, please contact me at (865) 574-7613.

Sincerely,



Larry W. Boyd
Isotopes Program Coordinator
Program Coordination Division
DOE Oak Ridge Field Office

cc:

A. Q. Dasti, NA-125.2 HQ/GTN
E. D. Collins, ORNL
L. K. Felker, ORNL
S. Marschman, ORNL
C. M. Simmons, ORNL