



**Official Use Only - Security-Related Information**

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

DEC 31 2009

Stephen T. Slack, Ph.D.  
Radiation Safety Officer  
Midwest Division – RMS, LLC  
d/b/a Research Medical Center  
2316 East Meyer Blvd.  
Nuclear Medicine/Radiation Oncology  
Kansas City, MO 64132

Dear Dr. Slack:

Enclosed is Amendment No. 49 to your NRC Material License No. 24-18625-01 in accordance with your request. Please note that the changes made to your license are printed in **bold font**.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers. If you have any questions or require clarification on any of the information stated above, you may contact me at (630) 829-9841.

**This also refers to the telephone conversation between you and me on December 31, 2009, concerning the request in your letter dated September 21, 2009, to delete the authorization for depleted uranium from your license. As we discussed, I am unable to approve your request at this time because the information in your letter dated September 21, 2009, was insufficient to complete my review.**

**If you wish to pursue this request, please provide appropriate written responses to the items below and addressed to my attention as “additional information to control no. 318525.” We will then continue our review.**

**Please provide a written document that acknowledges receipt of the depleted uranium into the inventory of the party who accepted it. This acknowledgment should be signed and dated by the party who accepted it and should include the appropriate NRC or Agreement state license number as well.**

**Please also provide either a copy of the last leak test performed on the depleted uranium prior to shipment or provide an equivalent “close-out survey.” A copy of my usual “close-out survey guidance is attached to this letter.**

NRC's Regulatory Issue Summary (RIS) 2005-31 provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, the NRC's electronic document system.

Pursuant to NRC's RIS 2005-31 and in accordance with 10 CFR 2.390, the enclosed license document is exempt from public disclosure because its disclosure to unauthorized individuals could present a security vulnerability.

The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/ri200531.pdf> and the link for frequently asked questions

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The enclosed document contains sensitive security-related information.  
When separated from this cover letter this letter is uncontrolled.

S. Slack

regarding protection of security related sensitive information may be located at:  
<http://www.nrc.gov/reading-rm/sensitive-info/faq.html>.

A copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,



Colleen Carol Casey  
Materials Licensing Branch

License No. 24-18625-01  
Docket No. 030-13959

Enclosures:

1. Amendment No. 49
2. Close-out Survey Guidance

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S. Slack

Close-out Survey Guidance

We cannot authorize licensees to release the areas of use (excepting areas covered by 10 CFR 35.13(e) and 35.14(b)(4)) or locations of use from licenses for unrestricted use (even by other members of their staff) until we have received and reviewed a copy of the results of decommissioning and close-out surveys for the facilities.

The final status survey must include a complete historical review of all actual licensed materials used, including sealed and unsealed sources, spills, and contamination. It should specify when and where the materials were used and how, when and by whom were the materials disposed of (shipped off site, decayed -in-storage, sanitary sewer disposal, etc.) or transferred (may be a future date).

Please respond by stating exactly which licensed materials were used at this location historically and please submit final status survey information covering those radioactive materials.

The final status survey should consist of exposure rate measurements to show that all sources of radioactive material have been removed, and contamination checks of areas where radioactive materials were used or stored. Average radiation levels associated with surface contamination and removable contamination should not exceed those specified in the decontamination guide being sent to you under separate cover.

Please also refer to section 15.5.3 in NUREG 1757, Vol. 1, Rev. 1, available on our website, for additional assistance.

Please submit the following information with your close-out survey:

- a. Diagrams of each facility with exposure rate survey and wipe test results keyed to specific locations, as appropriate.
- b. The name of the person performing the survey.
- c. The date the survey was performed.
- d. The instrument(s) used for exposure rate measurements and for analysis of the wipes.
- e. Background readings and each instruments' efficiency or correction factor.
- f. The date(s) that the survey instruments were last calibrated.
- g. The action levels for both exposure rate measurements and wipe tests. Include the identity of areas exceeding these levels, corrective actions taken and results of corrective actions taken.

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