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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

AUG 01 2011

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. 53 renewing your NRC Material License No. 24-18625-01 in accordance with your request.

Your license has been renewed for a ten year term and will not expire until August 31, 2021. Please note that significant changes to your license may appear 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.

**Please note the following issues and dispositions taken with your renewed license, which refer to your letter dated January 18, 2011, with attachments, including the application dated January 17, 2011:**

1. Your renewal letter did not include complete statements, commitments, representations, procedures, shielding calculations (for high dose rate remote afterloading brachytherapy program (HDR), etc. for the HDR program and the yttrium-90 SirSphere and Therasphere program, permitted by 10 CFR 35.1000.

Therefore, in order to ensure that your license is complete, we continued all of the documents listed in Condition No. 16 of the license.

If you wish to discuss how to amend your license to delete the documents in this condition that pre-date the current renewal application and letter, please contact me at (630) 829-9841. We can better advise you in this manner.

2. Item 3 of your letter did not specify which modalities should be authorized for each of your locations of use. Therefore I continued the authorizations in Condition No. 10 as they appeared on Amendment No. 52.
3. Your letter did not mention continued authorization for iridium-192 and the Alpha Omega Services Model VS 2000 and the Alpha Omega Model C1001-A-01 sources in Subitem No. 7.D. Therefore I assumed this was an oversight and I continued the authorizations as they existed on Amendment No. 52.

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

S. Slack

Please note that when your application is incomplete, unclear and/or silent with respect to continuing any authorization that existed on your license immediately prior to its renewal, we assume that it was an oversight and will normally just continue the authorization.

If it is your intention for us to delete an authorization, you must specifically direct us to do so in writing and provide appropriate supporting information, which will vary, depending on the authorization requested for deletion. As noted above, if you wish to discuss this matter further, please contact me at the telephone number given above.

4. Item 5.0 of your letter indicates that your inventory of cesium-137 sources are being held "for storage only in anticipation of disposal." In your next amendment, please describe the security measures, access control, shielding and safety precautions employed for the cesium-137 inventory. Also please indicate the timeframe (weeks, months, years (?)) when you anticipate disposal of this material to an appropriately licensed person.

Please also be reminded of the provisions in 10 CFR 30.9(a), "Completeness and accuracy of information,"...(a) Information provided to the Commission by an applicant for a license or by a licensee or information required by statute or by the Commission's regulations, orders, or license conditions to be maintained by the applicant or the licensee shall be complete and accurate in all material respects."

Please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

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 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 NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

S. Slack

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.

If you have any questions or require clarification on any of the information stated above, you may contact me at (630) 829-9841 or you may reach our administrative support staff at (630) 829-9887. My fax number is (630) 515-1078.

Sincerely,



Colleen Carol Casey  
Materials Licensing Branch

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

Enclosure:

Amendment No. 53