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UNITED STATES
NUCLEAR REGULATORY COMMISSION

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

FEB 01 2012



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. 55 to your NRC Material License No. 24-18625-01 in accordance with your request.

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.

I acted upon the requests made in your letters dated November 7, 2011, and January 4, 2012.

To clarify our mutual understanding of certain issues:

1. You indicated that it was your intention to adhere to your previous statements on the use of yttrium-90 (Y-90) microspheres and the HDR device via your renewal application. In order to do that, complete and current information for both programs had to have been included in the renewal application. It did not appear that had been the case.

My understanding is that the revised procedures for Y-90 submitted with your November 7, 2011, letter were intended to apply to both types of microspheres authorized by the license, even though you are currently only using one type. If my understanding is incorrect, please contact me immediately at 630-829-9841.

2. Your letter dated November 7, 2011, indicated that identification of sealed sources became important in 2006. In fact, the specific identification of sealed sources, by manufacturers' names and model numbers for verification in the NRC's Sealed Source and Device Registry (SSDR), became required on April 24, 2002, when revised 10 CFR Part 35 became effective.
3. David Schaeffer, M.D. has been approved for the use of Y-90 SIR spheres, as requested. The additional information to complete authorization for his training is still needed. When it is complete, please address it to my attention as "additional information to control number 576359."

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

S. Slack

4. The remaining information needed to resolve open issues from your renewal, as documented in my letter dated August 1, 2011, is still needed before we can delete the remaining "old" documents supporting your license prior to this renewal, as listed in Condition No. 16. Please submit this information within 60 days of the date of this letter or contact me to arrange an alternative response date.

I deleted the letter dated February 9, 2001, from Condition No. 16.B. because we could not verify it existed and it appeared to be a "carried-over typo."

I also adjusted the date of the referenced application in Condition 16.B, which read "January 18, 2011, (with attachments, including application dated January 17, 2011)" on Amendment Nos. 53 and 54. The date of the application has been corrected to "January 7, 2011."

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>.

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.

S. Slack

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. 55