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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

DEC 22 2016

Paul Jursinic, Ph.D.  
Radiation Safety Officer  
Borgess Medical Center  
1521 Gull Road  
Kalamazoo, MI 49048

Dear Dr. Jursinic:

Enclosed is Amendment No. 105 to your NRC Material License No. 21-12275-02 in accordance with your request.

Please note that we were unable to approve your request for the use of yttrium-90 TheraSperes, as permitted by 10 CFR 35.1000, at this time. If you wish to pursue this request, please submit a written, currently dated, and signed response, including the additional information discussed below.

Please include documentation that the RSO has obtained the requisite training in the radiation safety, regulatory issues, and emergency procedures for the new use for which you are seeking approval. Please also include a new delegation of authority, signed by both the RSO and licensee management, which includes the use of yttrium-90 TheraSperes, as permitted by 10 CFR 35.1000.

In addition, please include the documentation of training and experience for the proposed authorized user. This training and experience should include the topics discussed in the licensing guidance, "Yttrium-90 Microsphere Brachytherapy Sources and Devices, TheraSphere and SIR-Spheres Licensing Guidance," dated February 12, 2016. Please also include in the documentation the clinical use experience provided to the proposed authorized user.

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.

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.

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

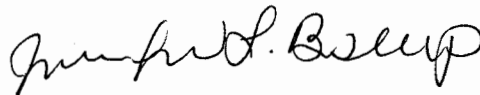
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The NRC's Safety Culture Policy Statement became effective in June 2011. While a policy statement and not a regulation, it sets forth the agency's *expectations* for individuals and organizations to establish and maintain a positive safety culture. You can access the policy statement and supporting material that may benefit your organization on NRC's safety culture Web site at <http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>. We strongly encourage you to review this material and adapt it to your particular needs in order to develop and maintain a positive safety culture as you engage in NRC-regulated activities.

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>.

Sincerely,



Jennifer L. Bishop  
Health Physicist  
Materials Licensing Branch

License No. 21-12275-02  
Docket No. 030-02115

Enclosure: Amendment No. 105