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

DEC 10 2010

Brigette Nelson, M.S.
Sr. Director Quality and Safety
Triad Isotopes, Inc.
1554 Nottingham Knoll
Jacksonville, FL 32225

Dear Ms. Nelson:

Enclosed is Amendment No. 01 to your NRC Material License No. 09-32781-04MD in accordance with your request. Please note that the changes made to your license are printed in **bold** font.

In your letter dated September 27, 2010, you requested to possess, prepare and distribute Y-90 SIR-Spheres from the Kansas City, Missouri pharmacy. During our telephone conversation of November 30, 2010, we discussed that Y-90 SIR-Spheres is considered a device and not a radiopharmaceutical which means that it must be re-distributed as it comes from the manufacturer. NRC staff is in the process of reviewing your request to determine if your request to manipulate the dose is within the bounds of the Registry of Radioactive Sealed Sources and Devices safety evaluation. Therefore, your request has been deferred until sufficient information has been obtained.

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.

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.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," 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,

Toye L. Simmons

Toye L. Simmons
Materials Licensing Branch

License No. 09-32781-04MD
Docket No. 030-38280

Enclosure: Amendment No. 01

ccw/encl: Joe Huber, Mgr
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