



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

DEC 09 2016

Mark Gates, M.D.  
Radiation Safety Officer  
St. Francis Medical Center  
211 St. Francis Drive  
Cape Girardeau, MO 63703

Dear Dr. Gates:

Enclosed is Amendment No. 72 to your NRC Material License No. 24-00158-03 in accordance with your request. Please note the change in format of ADAMS accession numbers for all documents listed in Condition No. 13.

**Please note that we were unable to approve Benjamin D. Goodman, M.D. for full authorization for materials in 10 CFR 35.300. This is because there are no known clinical uses in 10 CFR 35.390(b)(1)(ii)(G)(4), "Parenteral administration of any other radionuclide, for which a written directive is required."**

**Therefore, the only authorizations we could approve Dr. Goodman for are in 10 CFR 35.390(b)(1)(ii)(G)(1), 10 CFR 35.390(b)(1)(ii)(G)(2) and 10 CFR 35.390(b)(1)(ii)(G)(3). Please also note that radium-223 is not authorized by 10 CFR 35.390(b)(1)(ii)(G)(4).**

**It is authorized by 10 CFR 35.390(b)(1)(ii)(G)(3) because it emits a photon less than 150 keV, even though it is used clinically for its alpha particle emission.**

**At this time, we corrected errors we found in Amendment No. 71, Condition No. 12.B., for Drs. Adam Ross Todd and Dr. Todd Michael Buersmeyer. Each physician was inadvertently authorized for materials in 10 CFR 35.100 (limited to yttrium-90 TheraSpheres).**

**This was an accidental carryover from their authorizations on the referenced license they are also named on. However, your license does not authorize yttrium-90 TheraSpheres so authorizing these physicians was in error.**

**We have corrected these errors and we apologize for any inconvenience this may have caused you.**

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 other questions concerning this amendment please contact me at either (630) 829-9841 or (800) 522-3025, ext. 9841. My fax number is 630-515-1078.

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>.

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 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.

Sincerely,

A handwritten signature in cursive script that reads "Colleen Carol Casey".

Colleen Carol Casey  
Materials Licensing Branch

License No. 24-00158-03

Docket No. 030-02269

Enclosure:  
Amendment No. 72