



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

NOV 29 2005

S. James Cullom, Ph.D.
Radiation Safety Officer
Cardiovascular Consultants, P.C.
4330 Wornall Road, Suite 2000
Kansas City, MO 64111

Dear Dr. Cullom:

Enclosed is Amendment No. 18 to your NRC Material License No. 24-25867-01 in accordance with your request. Please note that the changes made to your license are printed 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 that in accordance with my telephone conversation on November 21, 2005, with Mitch Bronson of your staff, your request for four sources of gadolinium-153 not to exceed 300 millicuries/source each was not approved at this time. A review of the Sealed Source and Device Registry (SSDR) shows that the source you requested is approved for up to 240 millicuries per housing not to exceed 480 millicuries per system. At such time when the SSDR is updated to allow 300 millicuries per source, you may amend your NRC license for the higher activity sources.

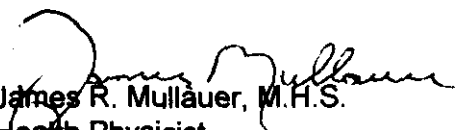
You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of 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.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. The enclosed license document is exempt from public disclosure in accordance with 10 CFR 2.390, because its disclosure to unauthorized individuals could present a security vulnerability.

S. James Cullom, Ph.D.

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Sincerely,


James R. Mullauer, M.H.S.
Health Physicist
Materials Licensing Branch

License No. 24-25867-01
Docket No. 030-30370

Enclosure: Amendment No. 18