



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

NOV 6 4 2005

Roland E. Sawyer, RSO  
Radiation Safety Officer  
Mallinckrodt Inc.  
Nuclear Medicine Division  
2703 Wagner Place  
Maryland Heights, MO 63043

Dear Mr. Sawyer:

Enclosed is Amendment No. 34 to your NRC Material License No. 24-04206-05MD in accordance with your request. Please note that changes were made to your license, which are printed in **bold** font.

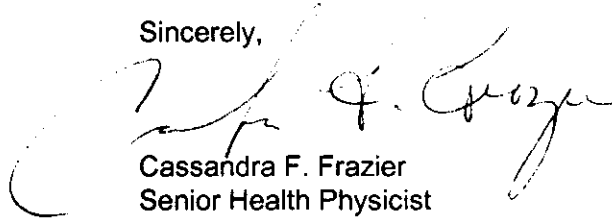
Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

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.

Sincerely,

A handwritten signature in black ink, appearing to read 'Cassandra F. Frazier', written over a light blue horizontal line.

Cassandra F. Frazier  
Senior Health Physicist  
Materials Licensing Branch

License No. 24-04206-05MD  
Docket No. 030-10801

Enclosure: Amendment No. 34