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

NOV 0 2 2010

Nancy Maniaci, CNMT
Radiation Safety Officer
Children's Hospital of Michigan
3901 Beaubien Blvd.
Detroit, MI 48201

Dear Ms. Maniaci:

Enclosed is Amendment No. 45 to your NRC Material License No. 21-03298-05 in accordance with your request dated September 23, 2010. 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 your possession limit for iodine-131 under 10 CFR 35.300 is now limited to 1 curies in accordance with current licensing policy concerning security. If you need more than 1 curie of iodine-131, please amend your NRC license with justification.

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 and its enclosure 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,

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

License No. 21-03298-05
Docket No. 030-13166

Enclosure: Amendment No. 45