



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

FEB 15 2012

Donald Demoss
Radiation Safety Officer
Nuclear Measurements Corporation
2460 North Arlington Avenue
Indianapolis, IN 46218

Dear Mr. Demoss:

Enclosed is Amendment No. 05 to your NRC Material License No. 13-03341-03 in accordance with your request. Please note that the changes made to your license are printed in **bold font**.

Please note that we have not included Radium-226 sealed sources to your license. As discussed in our telephone conversation on February 14, 2012, we will need you to provide additional information to approve the Radium-226 sealed sources. In accordance with 10 CFR Part 30.32(g), please provide sufficient additional information to demonstrate that there is reasonable assurance that the radiation safety properties of the sources are adequate. The specific additional information required is identified in 10 CFR 30.32 (g)(i) and (ii).

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.

In accordance with 10 Code of Federal Regulations 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,

A handwritten signature in black ink, appearing to read "Cassandra F. Frazier".

Cassandra F. Frazier
Senior Health Physicist
Materials Licensing Branch

License No. 13-03341-03
Docket No. 030-28752
Enclosure: Amendment No. 05