



~~Official Use Only - Security-Related Information~~

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

JAN 11 2010

Bruce E. Hasselquist, Ph.D.
Radiation Safety Officer
Spectrum Health Hospitals
100 Michigan N.E.
Grand Rapids, MI 49503

Dear Dr. Hasselquist:

Enclosed is Amendment No. 80 to your NRC Material License No. 21-00243-06 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. If you have any questions concerning this amendment please contact me at either (630) 829-9841 or (800) 522-3025.

At this time I deleted Condition No. 18, pertaining to the Increased Controls and Fingerprinting Orders, as it appeared on Amendment No. 79, because it no longer applies to your licensed program.

In correspondence dated December 4, 2009, you indicated that you notified us that you had released your former nuclear medicine area of use at 1840 Wealth St, S.E., Grand Rapids, Michigan for unrestricted use. It appears that this was done in accordance with 10 CFR 35.13 (e) and 10 CFR 35.14(b)(5).

The NRC staff has reviewed your final status surveys. Based on its review, the staff has concluded that all licensable radioactive material has been removed from your former area of use noted above and residual radioactive material attributable to licensed activities does not exceed current NRC criteria. Based on these conclusions no further remediation or actions with respect to NRC regulated material is required for this area and it is suitable for unrestricted use.

In reviewing your letter dated October 12, 2009, requesting authorization for Positron Emission Tomography (PET) procedures at the 145 Michigan St. NE, Grand Rapids, Michigan location, it appeared that your description of the areas being authorized, including the description of shielding for the PET areas and the diagram of the facility, were minimally adequate.

Please provide the following additional information within 30 days of the date of this letter, or please contact me to arrange an alternate response timeframe. Please address your written response to my attention as "additional information to control no. 318594." We will then continue our review.

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The enclosed document contains sensitive security-related information.
When separated from this cover letter this letter is uncontrolled.

B. Hasselquist

Your letter dated October 12, 2009, stated that the shielding for the PET areas were previously approved by the state of Michigan. But you did not supply the shielding calculations, or specify where on the diagram the shielding was located and provide an evaluation to NRC. Please provide a copy of the shielding calculations, etc. for the PET areas and other areas, in accordance with NUREG 1556, Vol. 9, Rev. 2, section 8.16, Item 9, "Facilities and Equipment.

Please do not submit blueprints, or copies of blueprints for diagrams. Please see the sample diagram in Attachment 9.1 in NUREG 1556, Vol. 9, Rev. 2, for an example diagram.

Please identify all relevant functional areas in the diagram so it is clear as to what is being done and where. Please also use a font that is readable. The font for your previous diagram, a blueprint copy, was largely unreadable and tiny.

NRC's Regulatory Issue Summary (RIS) 2005-31 provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, the NRC's electronic document system.

Pursuant to NRC's RIS 2005-31 and in accordance with 10 CFR 2.390, the enclosed license document is exempt from public disclosure because its disclosure to unauthorized individuals could present a security vulnerability.

The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/ri200531.pdf> and the link for frequently asked questions regarding protection of security related sensitive information may be located at: <http://www.nrc.gov/reading-rm/sensitive-info/faq.html>.

A copy of this letter will be available electronically for public inspection 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 Public Electronic Reading Room).

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.

B. Hasselquist

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.

Sincerely,



Colleen Carol Casey
Materials Licensing Branch

License No. 21-00243-06
Docket No. 030-01989

Enclosure:

Amendment No. 80