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

MAR 24 2009

Kenneth W. Arnett, M.D.
Radiation Safety Officer
North Kansas City Hospital
2800 Clay Edwards Drive
North Kansas City, MO 64116

Dear Dr. Arnett:

Enclosed is Amendment No. 34 to your NRC Material License No. 24-18628-01 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 you have any questions concerning this amendment, please contact me at either (800) 522-3025 or (630) 829-9841. My fax number is (630) 515-1078.

Your letter dated February 5, 2009, requested the addition of accelerator produced materials to your license. Please note that this change was "automatically" made for you when 10 CFR 30.4, "Definitions," was amended on October 1, 2007, to expand the scope of materials covered by the term "byproduct materials." Similar changes were made to 10 CFR 35.100, 35.200, etc. on the same date with the same expansion of the scope of covered materials by revision of "Definitions."

You may wish to consult the "NARM Toolkit" at this link:

<http://nrc-stp.ornl.gov/narmtoolbox.html>

However, it is incumbent upon you to periodically evaluate your licensed program within the expanded scope of these new authorizations and to request appropriate amendments if or when addresses of use, areas of use, or other program elements change or are expected to change.

Please review NUREG 1556, Vol. 9, Rev. 2 for additional guidance in these matters. It should have been mailed to you as a hard copy already but it is available on our website at:

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v9/r2/>

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

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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. 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. 24-18628-01
Docket No. 030-13966

Enclosure:

Amendment No. 34

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