



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

DEC 18 2014

Marc D. Weichelt, R.Ph.  
Vice President  
Essential Isotopes, LLC  
1513 Research Park Dr.  
Columbia, MO 65211

Dear Mr. Weichelt:

Enclosed is Amendment No. 02 to your NRC Materials License No. 24-32762-01MD in accordance with your request. Please note that the changes made to your license are printed in **bold font**.

**As requested in your letter dated October 1, 2014, we have added technetium-99m to your listing of authorized materials as well as molybdenum-99 and other potential radionuclides that may be in your testing samples. Please note that we have also amended Conditions 15 and 19 to bring the wording more in line with NRC policy.**

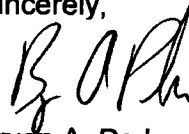
Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U. S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

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.

The NRC's Safety Culture Policy Statement became effective in June 2011. While a policy statement and not a regulation, it sets forth the agency's *expectations* for individuals and organizations to establish and maintain a positive safety culture. You can access the policy statement and supporting material that may benefit your organization on NRC's safety culture Web site at <http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>. We strongly encourage you to review this material and adapt it to your particular needs in order to develop and maintain a positive safety culture as you engage in NRC-regulated activities.

In accordance with Title 10 of the *Code of Federal Regulations* Section 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 "B. A. Parker". The signature is written in a cursive style with a large initial "B" and "P".

Bryan A. Parker  
Health Physicist  
Materials Licensing Branch

License No. 24-32762-01MD  
Docket No. 030-38129

Enclosure: Amendment No. 02