



UNITED STATES

NUCLEAR REGULATORY COMMISSION

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, ILLINOIS 60532-4352

JUL 10 2012

Osvaldo Rivera
Chief, Safety, Health and Environmental Division
National Aeronautics and Space Administration
John H. Glenn Research Center at Lewis Field
21000 Brookpark Rd.
Cleveland, OH 44135

Dear Mr. Rivera:

Enclosed is Amendment No. 48 to your NRC Materials License No. 34-00507-16 in accordance with your request. Please note that the changes made to your license are printed in **bold font**.

We have removed several items from your license as requested in letters dated April 11, 2012, and May 1, 2012. Also, we added the nickel-63 sources as requested in the May 1 letter. However, please note that we have not yet fully addressed the matter regarding the potential production of tritium as part of your request in the same letter. I have discussed this matter by telephone with Chris Blasio of your staff and he has provided additional information related to this matter which continues under review at NRC Headquarters. Once a decision has been made, we will contact you with further details regarding this matter.

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.

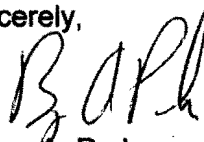
The NRC's Safety Culture Policy Statement became effective in June 2011. While a policy statement and not a regulation, it sets forth the agency's *expectations* for individuals and organizations to establish and maintain a positive safety culture. You can access the policy statement and supporting material 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 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 'B. A. Parker', written over the typed name.

Bryan A. Parker
Health Physicist
Materials Licensing Branch

License No. 34-00507-16
Docket No. 030-05626

Enclosure: Amendment No. 48