



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

AUG 30 2012

Cheryl Stipsits
EHS Director
Sigma-Aldrich Company
P.O. Box 14508
St. Louis, MO 63178

Dear Ms. Stipsits:

Enclosed is Amendment No. 08 renewing your NRC Materials License No. 24-16607-03 in accordance with your request.

Please note that with the requested downgrade to a limited scope license, we have listed your authorized users on the license by name in Condition 11.A. If changes need to be made in the future regarding your authorized users, you will need to receive prior approval from the NRC for those changes. In addition, please note that following discussion with your Radiation Safety Officer, Tom Spencer, on August 23, 2012, we have left authorization for a small amount of cobalt-57 on the license along with the location of use at 3500 DeKalb Street. This was necessary to provide continuing coverage of that location while decommissioning activities are completed there. Once that location has been released for unrestricted use, you may request to have that location and the cobalt-57 removed from the license.

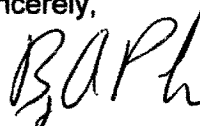
Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U. S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

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,

Handwritten signature of Bryan A. Parker in black ink.

Bryan A. Parker
Health Physicist
Materials Licensing Branch

License No. 24-16607-03
Docket No. 030-28992/030-11303

Enclosure: Amendment No. 08