



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

MAY 20 2010

Ross Larson
Radiation Safety Officer
Missouri Analytical Laboratories, Inc.
1820 Delmar Boulevard
St. Louis, MO 63103

Dear Mr. Larson:

Enclosed is Amendment No. 17 to your NRC Material License No. 24-12366-01 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 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.

Please note, we updated Condition No. 14 (decay- in- storage condition). This update reflects the NRC current policy. Background information on this policy change can be found in RIS 2004-17 "NRC Regulatory Issue Summary 2004-17: Revised decay in Storage Provision for the Storage of Radioactive Waste Containing Byproduct Material."

The RIS may be located on the NRC Web site at:

<http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2004/ri200417.pdf>.

We also corrected a minor numbering mistake on your previous license. Condition No. 15 was inadvertently skipped on Amendment No. 16.

We added two new standard Conditions to your license at this time as well. These new Conditions are Nos. 15 and 16 and your last Condition, the "tie-down" Condition, is No. 17.

This amendment authorizes the addition of the new laboratory bench for the use of licensed materials.

In order for us to release the old laboratory bench "area of use" for unrestricted use, even by other members of your staff, please submit an appropriate close-out survey. A copy of our "Close-out Survey Guidance," an informal type of guidance, is attached to assist you.

Please submit your close-out survey, accompanied by an appropriate amendment request, signed by a senior management representative and dated, and address it to my attention as "additional information to control number 318851." We will then continue our review.

If you have any questions or comments about this amendment please contact me at (630) 829-9752.

In accordance with 10 CFR 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 Publicly Available Records (PARS) component of NRC's document system

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(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. 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,

A handwritten signature in cursive script that reads "Colleen Carol Casey for".

Michael G. Herr, CHP
Materials Licensing Branch

License No. 24-12366-01
Docket No. 030-05138

Enclosures:

1. Amendment No. 17
2. Close-out Survey Guidance

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Close-out Survey Guidance

We cannot authorize licensees to release the areas of use (excepting areas covered by 10 CFR 35.13(e) and 35.14(b)(4)) or locations of use from licenses for unrestricted use (even by other members of their staff) until we have received and reviewed a copy of the results of decommissioning and close-out surveys for the facilities.

The final status survey must include a complete historical review of all actual licensed materials used, including sealed and unsealed sources, spills, and contamination. It should specify when and where the materials were used and how, when and by whom were the materials disposed of (shipped off site, decayed -in-storage, sanitary sewer disposal, etc.) or transferred (may be a future date).

Please respond by stating exactly which licensed materials were used at this location historically and please submit final status survey information covering those radioactive materials.

The final status survey should consist of exposure rate measurements to show that all sources of radioactive material have been removed, and contamination checks of areas where radioactive materials were used or stored. Average radiation levels associated with surface contamination and removable contamination should not exceed those specified in the decontamination guide being sent to you under separate cover.

Please also refer to section 15.5.3 in NUREG 1757, Vol. 1, Rev. 1, available on our website, for additional assistance.

Please submit the following information with your close-out survey:

- a. Diagrams of each facility with exposure rate survey and wipe test results keyed to specific locations, as appropriate.**
- b. The name of the person performing the survey.**
- c. The date the survey was performed.**
- d. The instrument(s) used for exposure rate measurements and for analysis of the wipes.**
- e. Background readings and each instruments' efficiency or correction factor.**
- f. The date(s) that the survey instruments were last calibrated.**
- g. The action levels for both exposure rate measurements and wipe tests. Include the identity of areas exceeding these levels, corrective actions taken and results of corrective actions taken.**