



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

DEC 01 2005

Jennifer Walton, Ph.D., CIH  
Radiation Safety Officer  
Central Michigan University  
College of Science and Technology  
200 IT Building  
Mt. Pleasant, MI 48859

Dear Dr. Walton:

Enclosed is Amendment No. 29 to your NRC Material License No. 21-01432-02 in accordance with your request. Please note that some of the changes made to your license are printed in **bold font**. Please 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.

I corrected your possession limit for yttrium-88 to 20 microcuries at this time and I apologize for any inconvenience this error may have caused you in Amendment No. 28.

At this time I updated Condition No. 16 to permit the decay-in-storage of materials with a half-life less than or equal to 120 days, instead of 90 days. This reflects a new NRC policy change resulting from Regulatory Issue Summary 2004-17, which is available on our website at <http://www.nrc.gov>.

I also updated several other Conditions and added several new standard Conditions to bring your license current in format. These changes are in **bold font**.

It has come to our attention that sodium-22 is not an NRC-regulated material, pursuant to 10 CFR 30.4, "Byproduct material." It is a state-controlled material because of its production method. Therefore I deleted Subitem Nos. 6 through 9.Q (as they appeared on Amendment No. 28), inclusive, and re-ordered the remaining Subitems.

I limited your new authorization for the Health Professions Building to the specified room numbers provided in the letter dated August 31, 2005. I excluded your request to self-authorize additional rooms in this building without benefit of an amendment because the information provided was insufficient to complete my review. Please submit all appropriate information requested in section 8.9., Item 9 and Appendix K in NUREG 1556, Vol. 7, in your response, including generic room diagrams and descriptions. Reference your response as "additional information to control number 314815" and address it to my attention.

I also excluded your request to self-release for unrestricted use (even by other members of your staff) rooms and areas authorized for licensed activities until we have received and reviewed a copy of the results of your decommissioning and close-out surveys for these facilities and amended the license appropriately.

The final status survey for each area, room and/or building must include a complete historical review of all actual licensed materials used, including sealed and unsealed sources, spills, and contamination/decontamination. 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.)

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

Please include the following information with future close-out surveys:

- 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.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> The enclosed license document is exempt from public disclosure in accordance with 10 CFR 2.390, because its disclosure to unauthorized individuals could present a security vulnerability. Please direct any questions you may have to me at (630) 829-9841 or (800) 522-3025. My fax numbers are (630) 829-9782 or (630) 515-1259.

Sincerely,



Colleen Carol Casey  
Materials Licensing Branch

License No. 21-01432-02  
Docket No. 030-00811

Enclosures:

1. Amendment No. 29
2. Decontamination Guide