



Missouri State
UNIVERSITY

November 11, 2010

Materials Licensing Branch
Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352
PHONE: 630-829-9829; FAX: 630-515-1078

Subject: Amendment to License Number 24-11585-04 (Docket Number 030-18583)

To whom it may concern:

Missouri State University (MSU) hereby submits this request for an amendment to License Number 24-11585-04. MSU requests that the Radium-226 calibration standard (Item 6.V.) activity level be changed to 19 nanoCi (19,000 picoCi) of Ra-226 in a sand matrix in a sealed Marinelli beaker. The standard will still be licensed under authorized user, Robert Pavlowsky, PhD. The manufacturer of the standard is Eckert & Ziegler. The standard will be used as a calibration source for a gamma spectrometer (CG4020 GE Co-Axial Detector with DSA Digital Spectrum Analyzer) for the analysis of sediment samples. The calibration standard will be used at the main campus of Missouri State University, 901 S. National Ave., Springfield, MO (Condition 10.A.), specifically in Temple Hall, Room 125. The research conducted with this calibration source will adhere to the Missouri State University Radiation Safety Program described and approved in previous license applications.

The Ra-226 standard previously added to the license at an activity level of 100 picoCi was never purchased as it was determined the activity level was too small to manufacture. This standard being requested in this amendment is a substitution, not an additional standard.

Please contact me at (417) 836-4132 or erinparrish@missouristate.edu if you have any questions regarding this amendment request.

Sincerely,

Erin Parrish, MS
Director of Research Compliance/RSO

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OFFICE OF RESEARCH COMPLIANCE

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