

PURDUE

UNIVERSITY

RADIOLOGICAL AND ENVIRONMENTAL MANAGEMENT

June 1, 2016

Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4352

Dear Sir/Madam:

This document is submitted to request an amendment to the Purdue University (PU) Broad Scope License (No. 13-02812-04).

We request authorization to possess additional quantities of nuclides possessed under item B of our license: Any byproduct or source material with atomic numbers 84-103, inclusive. We request the limit of possession for Ra-223 and Ra-226 to be increased to 1 millicurie.

Item	Byproduct Material	Chemical and/or Physical Form	Maximum Possession Amount
B	Any Byproduct Material or source material Atomic Numbers between 84 – 103, inclusive	Any	100 microcuries of each isotope, except as noted below; 3 millicuries total. Polonium-210: 25 millicuries Radium-223: 1 millicurie Radium-226: 1 millicurie

(Changes requested are noted in bold)

The purpose of this amendment is allow for the possession of Ra-223 for teaching and research purposes (primarily using this nuclide to train nuclear pharmacists in dose calibrator techniques). Additionally the increased possession limit will allow for the possession of Ra-226 calibration sources.

If you should have any question regarding this request please contact me at 765-494-2350. Thank you for your prompt attention to this matter.

Sincerely,



James F. Schweitzer
Radiation Safety Officer

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TEMP-RETURN SERVICE REQUESTED

DEPARTMENT OF RADIOLOGICAL AND
ENVIRONMENTAL MANAGEMENT

Civil Engineering Building, B173
550 Stadium Mall Drive
West Lafayette, IN 47907-2051

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