

August 15, 2008

U.S. NRC Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4352

Dear Sir/Madam:

Purdue University requests the addition of several radionuclides on our Broad Scope License 13-02812-04. The nuclides and amounts requested are:

<u>Nuclide</u>	<u>Physical Form</u>	<u>Amount</u>
U-232, U-233, U-234, U-235, U-236, U-237, U-238	Liquid	20 microcuries of each
Pu-240, Pu-242, Pu-244	Liquid	20 microcuries of each
Am-242m	Liquid	20 microcuries of each
Cm-243, Cm-245, Cm-246	Liquid	20 microcuries of each

Purposes for Which Licensed Material Will be Used

Licensed material will be used for research and development activities. The planned research activities include sampling and analysis of liquid material received from DOE laboratories. The material will typically be diluted before use, so only a small fraction of the material will be in use at any one time.

Facilities and Equipment

The material will be used at locations approved on our broad scope license. It is anticipated that the material will be used on the academic campus and at 3601 Sagamore Parkway North, Lafayette, IN. Appropriate containment and survey procedures will be implemented to ensure that the facility remains free of contamination and that exposures are ALARA.

RECEIVED AUG 25 2008

Security of the Facilities

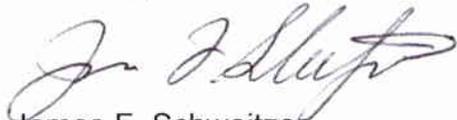
Radioactive material will be secured to prevent unauthorized access when personnel are not present in the laboratory.

Approval of Radiation Safety Committee

The experimental procedures will be reviewed and approved by the Radiation Safety Committee (RSC). The Radiation Safety Office conducts periodic facility reviews to ensure that the experimental area and procedures meet established criteria.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "J. Schweitzer".

James F. Schweitzer
Radiation Safety Officer

PURDUE
UNIVERSITY

DEPARTMENT OF RADIOLOGICAL AND
ENVIRONMENTAL MANAGEMENT

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

ADDRESS SERVICE REQUESTED



POSTAGE **\$0.32⁴**
AUG 20 2008
US POSTAGE
FIRST CLASS AUTO 5D
MAILED FROM 47907
011A0413004947

U.S. NRC Region III
2443 Warrenville Road
Suite 210
Lisle, Illinois 60532-4352

GILTA51 60532

