

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		In accordance with application dated January 25, 2007,
1. University of Wisconsin-Milwaukee Environmental Health, Safety and Risk Management		3. License number 48-09944-01 is renewed in its entirety to read as follows:
2. Radiation Safety Program Post Office Box 413 Milwaukee, WI 53201		4. Expiration date June 30, 2017
		5. Docket No. 030-01160 Reference No.
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Carbon-14	A. Any non-sealed form	A. 50 millicuries.
B. Hydrogen-3	B. Any non-sealed form	B. 15 millicuries
C. Phosphorus-32	C. Any non-sealed form	C. 15 millicuries
D. Iron-59	D. Any non-sealed form	D. 500 microcuries
E. Sulfur-35	E. Any non-sealed form	E. 5 millicuries
F. Magnesium-54	F. Any non-sealed form	F. 1 millicurie
G. Cesium-137	G. Any non-sealed form	G. 100 microcuries
H. Phosphorus-33	H. Any non-sealed form	H. 15 millicuries

9. Authorized Use:

- A. through H. For research and development as defined in 10 CFR Part 30, Section 30.4 including training of students.

CONDITIONS

10. Licensed material listed in Subitems 6.A, 6.B, and 6.H. may be used at Lake Station, Yellowstone National Park, Wyoming and licensed material listed in Subitems 6.A through 6.H. may be used aboard the licensee's research vessels at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
48-09944-01Docket or Reference Number
030-01160

Amendment No. 40

11. Licensed material shall be used by, or under the supervision of, individuals designated by Sharron Stenjem Daly, Radiation Safety Officer.
12. The Radiation Safety Officer for this license is Sharron Stenjem Daly.
13. Licensed material shall not be used in or on human beings.
14. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific conditions of the license.
15. Experimental animals or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.
16. The licensee is authorized to hold radioactive material with a physical half-life of less than 120 days for decay-in-storage before disposal in ordinary trash provided:
 - A. Before disposal as ordinary trash, byproduct material shall be surveyed at the container surface with the appropriate meter set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
 - B. A record of each disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
17. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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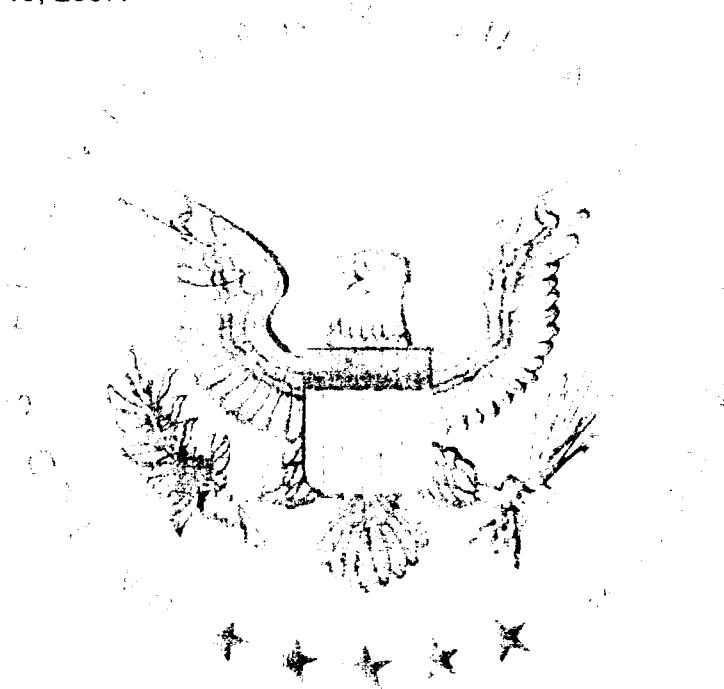
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18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated January 25, 2007, and

B. Letter dated June 19, 2007.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

JUN 26 2007

Date _____

By

A handwritten signature in cursive script, appearing to read "Toye L. Simmons", is written over a horizontal line.

Toye L. Simmons
Materials Licensing Branch
Region III