

**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  1. Energy Laboratories, Inc.  2. P.O. Box 3258 Casper, Wyoming 82602	In accordance with letter dated May 18, 2011 3. License number 49-26846-01 is amended in its entirety to read as follows: 4. Expiration date April 30, 2013 5. Docket No. 030-29502 Reference No.	
6. Byproduct, source, and/or special nuclear material  A. Americium-241  B. Barium-133  C. Carbon-14  D. Cesium-137  E. Cobalt-60  F. Curium-244  G. Lead-210  H. Polonium-208  I. Polonium-209  J. Radium-226  K. Radium-228  L. Strontium-90  M. Technetium-99  N. Thorium-229  O. Thorium-230  P. Uranium-232  Q. Uranium-234  R. Uranium-238	7. Chemical and/or physical form  A. Any  B. Any  C. Any  D. Any  E. Any  F. Any  G. Any  H. Any  I. Any  J. Any  K. Any  L. Any  M. Any  N. Any  O. Any  P. Any  Q. Any  R. Any	8. Maximum amount that licensee may possess at any one time under this license  A. 5 microcuries  B. 5 microcuries  C. 5 microcuries  D. 5 microcuries  E. 5 microcuries  F. 10 microcuries  G. 10 microcuries  H. 5 microcuries  I. 10 microcuries  J. 1 millicurie  K. 5 microcuries  L. 5 microcuries  M. 5 microcuries  N. 5 microcuries  O. 5 microcuries  P. 5 microcuries  Q. 10 microcuries  R. 10 microcuries

# **MATERIALS LICENSE SUPPLEMENTARY SHEET**

License Number

49-26846-01

Docket or Reference Number

030-29502

Amendment No. 10

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
S. Cadmium-109	S. Any	S. 1 microcurie
T. Chromium-51	T. Any	T. 1 microcurie
U. Strontium-85	U. Any	U. 1 microcurie
V. Strontium-89	V. Any	V. 1 microcurie
W. Tellurium-123m	W. Any	W. 1 microcurie
X. Tin-113	X. Any	X. 1 microcurie
Y. Thorium-228	Y. Any	Y. 1 microcurie
Z. Yttrium-88	Z. Any	Z. 1 microcurie
AA. Cobalt-57	AA. Any	AA. 1 microcurie
BB. Cerium-141	BB. Any	BB. 10 microcuries
CC. Cesium-134	CC. Any	CC. 10 microcuries
DD. Iodine-131	DD. Any	DD. 10 microcuries
EE. Niobium-95	EE. Any	EE. 10 microcuries
FF. Ruthenium-103	FF. Any	FF. 10 microcuries
GG. Ruthenium-106	GG. Any	GG. 10 microcuries
HH. Antimony-125	HH. Any	HH. 10 microcuries
II. Zirconium-95	II. Any	II. 10 microcuries
JJ. Any source material as defined in 10 CFR 40.4	JJ. Any except sealed sources	JJ. 1,000 kilograms
KK. Any byproduct material as defined in 10 CFR 40.4	KK. Uranium mill tailings and waste	KK. 1,000 kilograms

## 9. Authorized Use:

A. through AA. For use as calibration and reference standards.

AA through II. Routine analytical analysis for characterization.

JJ. Bioassay sample analysis and radiochemical, inorganic and organic analysis to determine material characterization.

KK. Radiochemical, inorganic and organic analysis to determine material characterization.

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**CONDITIONS**

10. Licensed material shall be used or stored only at the licensee's facilities located at:
- A. 2393 Salt Creek Highway, Casper, Wyoming, and
  - B. 2325 Kerzell Lane, Casper, Wyoming.
11. A. Licensed materials shall be used by, or under the supervision of Dave Blaida or Dee Fairservis.
- B. The Radiation Safety Officer for this license is Dee Fairservis.
12. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
13. 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."
14. 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 U.S. 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 November 29, 2002 (ML030300690)
  - B. Letter dated August 30, 2006 (ML062580294)
  - C. Letter dated August 11, 2011 (ML11224A042)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

**/RA/**Date: August 16, 2011

By:

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Region IV  
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