

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, 37, 39, 40, 70 and 71, 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. Dow Corning Corporation		In accordance with letter dated January 23, 2017,	4. Expiration Date: October 31, 2022
2. 2200 West Salzburg Road Auburn, MI 48611		3. License number: 21-08362-08 is amended in its entirety to read as follows:	5. Docket No.: 030-04858 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	9. Authorized use
A. Carbon-14	A. Any	A. 3 curies total	A. To be used in biological tracer studies in plants, animals and micro-organisms and for research and development as defined in 10 CFR Part 30, Section 30.4.
B. Hydrogen-3	B. Any	B. 200 millicuries total	B. To be used in biological tracer studies in plants, animals and micro-organisms and for research and development as defined in 10 CFR Part 30, Section 30.4.
C. Chromium-51	C. Any	C. 200 millicuries total	C. To be used in biological tracer studies in plants, animals and micro-organisms and for research and development as defined in 10 CFR Part 30, Section 30.4.



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6. Byproduct, source,
and/or special nuclear
material

D. Phosphorus-32

E. Sulfur-35

F. Iodine-125

G. Carbon-14

H. Hydrogen-3

7. Chemical and/or physical form

D. Any

E. Any

F. Prepackaged Kits

G. Solid Liquid Waste

H. Solid Liquid Waste

8. Maximum amount that licensee
may possess at any one time
under this license

D. 50 millicuries total

E. 50 millicuries total

F. 10 millicuries total

G. See Item 6.A.

H. See Item 6.B.

9. Authorized use

D. To be used in biological tracer studies
in plants, animals and micro-organisms
and for research and development as
defined in 10 CFR Part 30, Section
30.4.

E. To be used in biological tracer studies
in plants, animals and micro-organisms
and for research and development as
defined in 10 CFR Part 30, Section
30.4.

F. To be used in biological tracer studies
in plants and micro-organisms and for
research and development as defined in
10 CFR Part 30, Section 30.4.

G. Possession incident to waste disposal.

H. Possession incident to waste disposal.

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at 2200 West Salzburg Road, Auburn, Michigan.

11. The Radiation Safety Officer (RSO) for this license is Kelly A. Wegener.

12. Licensed material shall only be used by, or under the supervision of, individuals designated by the Radiation Safety Committee, Debra A. McNett, Chairperson. The licensee shall maintain records of individuals designated as users for 3 years after the individual's last use of licensed material.

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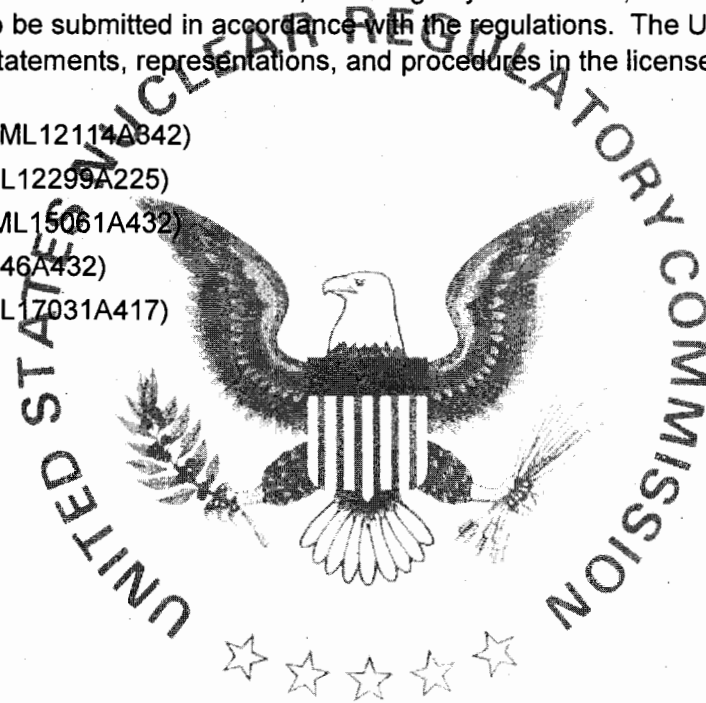
13. Licensed material shall not be used in or on human beings or in field applications where activity is released, except as provided otherwise by specific condition of this license.
14. Experimental animals, or the products from experimental animals, that have been administered licensed materials, shall not be used for human consumption.
15. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash provided:
- A. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument 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 such disposal permitted under this license condition shall be retained for 3 years. The record must include the date of disposal, the date on which the byproduct material was placed in 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.

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16. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. 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 April 17, 2012 (ML12114A342)
- B. Letter dated October 15, 2012 (ML12299A225)
- C. Letter dated February 23, 2015 (ML15061A432)
- D. Letter dated May 7, 2015 (ML15146A432)
- E. Letter dated January 23, 2017 (ML17031A417)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: APR 05 2017By: Cassandra F. Frazier
Region III