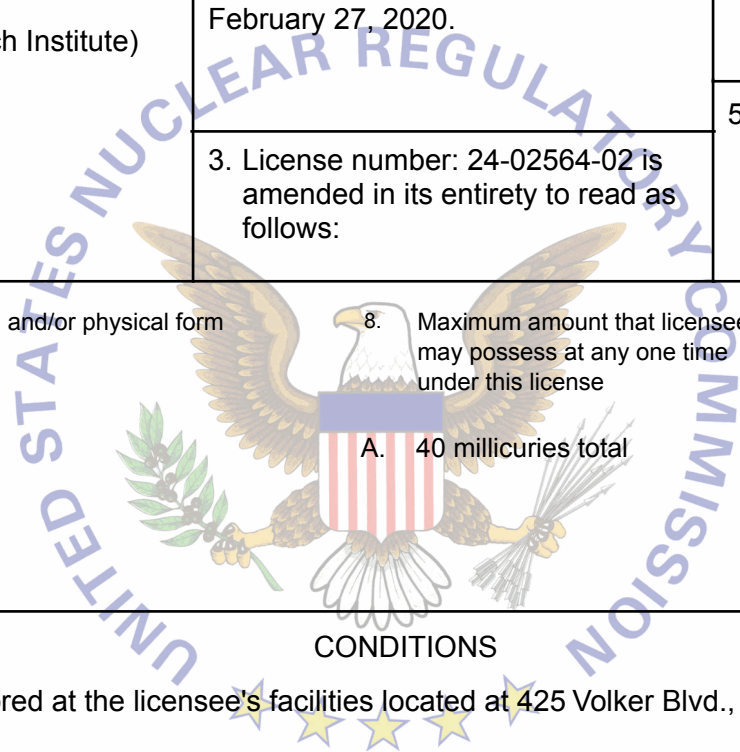


MATERIALS LICENSE

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.

<p style="text-align: center;">Licensee</p> <p>1. MRI Global (formerly Midwest Research Institute)</p> <p>2. 425 Volker Blvd. Kansas City, MO 64110-2299</p>	<p>In accordance with letter dated February 27, 2020.</p> <p>3. License number: 24-02564-02 is amended in its entirety to read as follows:</p>	<p>4. Expiration Date: February 28, 2021</p> <p>5. Docket No.: 030-05083 Reference No.:</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Carbon-14</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 40 millicuries total</p>	<p>9. Authorized use</p> <p>A. For research and development as defined in 10 CFR 30.4, including animal studies and calibration and checking of the licensee's instruments.</p>
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CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at 425 Volker Blvd., Kansas City, Missouri, 64110.
11. A. The Radiation Safety Officer (RSO) for this license is Eric R. Jeppesen.
- B. Licensed material shall only be used by, or under the supervision of, the following individuals for the materials and uses indicated:
- | | |
|-------------------------|-------------------------|
| <u>Authorized Users</u> | <u>Material and Use</u> |
| Peter Dearforff | Carbon-14 |

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
24-02564-02Docket or Reference Number
030-05083

Amendment No. 71

Authorized Users

Brian Wimmer

Material and Use

Carbon-14

12. The licensee shall not use the licensed material in or on humans.
13. The licensee shall not use licensed material 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 material shall not be used for human or animal consumption.
15. 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 September 28, 2010 (ML102740096)
 - B. Letter dated March 19, 2012 (ML120790247)
 - C. Letter dated May 14, 2013 (ML13135A607)
 - D. Letter dated December 6, 2013 (ML13343A581)
 - E. Letter dated January 5, 2014 via facsimile dated February 5, 2014 (ML 14037A166)
 - F. Letter received July 19, 2013 (ML13227A385)

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
24-02564-02Docket or Reference Number
030-05083

Amendment No. 71

- G. Letter dated September 28, 2015 (ML15279A623)
- H. Application dated December 14, 2018 (ML19003A270)
- I. Letter dated February 7, 2019 (ML19038A470)
- J. Letter dated February 27, 2020 (ML20058C835)
- K. Letter dated March 25, 2020 (ML20086F032)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: April 6, 2020

By: _____

Frank P. D. Tran
Region 3