U.S. NUCLEAR REGULATORY COMMISSION Amendment No. 02

# 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, 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 letter dated **February 1, 2016**, |
|---|---|
| 1. Ford Motor Company<br>Research & Innovation Center | 3. License number 21-35113-01 is amended in its entirety to read as follows: |
| 2. 2101 Village Road<br>MD 1049<br>Dearborn, MI 48121 | 4. Expiration date February 29, 2024 |
| | 5. Docket No. 030-38693<br>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. **Beryllium-7** | A. **Any** | A. **150 microcuries** |
| B. **Chromium-51** | B. **Any** | B. **5 millicuries** |
| C. Cobalt-56 | C. Any | C. 8 millicuries |
| D. Cobalt-57 | D. Any | D. **99 microcuries** |
| E. Cobalt-58 | E. Any | E. 40 microcuries |
| F. Manganese-52 | F. Any | F. 80 microcuries |
| G. Manganese-54 | G. Any | G. **29 microcuries** |
| H. **Zinc-65** | H. **Any** | H. **70 microcuries** |

9. Authorized use:

A. through H. To be used in **items made from cast iron, steel, and aluminum alloys,** for research and development as defined in Section 30.4 of 10 CFR Part 30.

## CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 2101 Village Road, Dearborn, Michigan.

11. The Radiation Safety Officer (RSO) for this license is Scott R. Larkins.

**MATERIALS LICENSE**
**SUPPLEMENTARY SHEET**

License Number
21-35113-01

Docket or Reference Number
030-38693

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12. Licensed material listed in Item six above is authorized for use by, or under the supervision of Rob Zdrodowski, M.S., and Arup Gangopadhyay, Ph.D.

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 condition of this license.

15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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. 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. Letter dated November 8, 2013 (**ML13318A257**, including application dated March 25, 2013)
    B. Letter dated March 18, 2014 (**ML14077A583**)
    C. Letter dated **February 1, 2016** (**ML16041A497**)
    D. Letter dated **May 9, 2016** (**ML16131A687**)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 10 2016

By Sara A. Forster

Sara A. Forster, M.S.
Materials Licensing Branch
Region III