

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. U.S. Army Tank-automotive and Armaments Command 2. ATTN: AMSTA-CSC-Z, Mail Stop 485 6501 E. Eleven Mile Rd. Warren, MI 48397-5000		In accordance with letter dated February 13, 2020. 3. License number: SUB-1536 is amended in its entirety to read as follows: 4. Expiration Date: January 31, 2033 5. Docket No.: 040-08994 Reference No.:	
6. Byproduct, source, and/or special nuclear material A. Uranium- depleted in Uranium-235 B. Transuranic Elements	7. Chemical and/or physical form A. Metal B. Metal	8. Maximum amount that licensee may possess at any one time under this license A. As Needed B. As needed; not to exceed 100 picocuries per gram of each transuranic and not to exceed 500 picocuries per gram total for all transuranics	9. Authorized use A. For possession, use, transportation, and storage of turrets and hulls of Abrams M1 Series Tanks, excluding repair and maintenance. B. For possession, use, transportation, and storage - as contaminants in depleted uranium of turrets and hulls of Abrams M1 Series Tanks, excluding repair and maintenance.

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040-08994

Amendment No. 14

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| 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 |
| C. Technetium-99 | C. Metal | C. As needed; not to exceed 500 picocuries per gram | C. For possession, use, transportation, and storage - as contaminants in depleted uranium of turrets and hulls of Abrams M1 Series Tanks, excluding repair and maintenance. |

CONDITIONS

10. Licensed material may be used or stored at facilities approved by the Radiation Safety Officer located at U.S. Department of Defense (DOD) installations and DOD contractor facilities and operations, excluding General Dynamics and its subcontractors. Licensed material may be used at temporary job sites anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States. If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.
11. Licensed material shall only be used by, or under the supervision of, the following individual(s) for the materials and uses indicated:
- | | |
|------------------------|-------------------------|
| <u>Non-Medical Use</u> | <u>Material and Use</u> |
| Joseph E. Hart | All |
12. The Radiation Safety Officer (RSO) for this license is Kimberly D. Alston.

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13. The licensee shall conduct a running physical inventory as described in application dated July 31, 2017 (ML17215A212), or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license.
14. The licensee shall maintain records of information important to safe and effective decommissioning at U.S. Army Tank -- Automotive Command (TACOM), Warren, Michigan, per the provisions of 10 CFR Section 40.36 (f) until this license is terminated by the Commission.
15. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 40.36 (b) for establishing financial assurance for decommissioning.
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 July 31, 2017 (ML17215A212)
- B. Letter dated January 25, 2018 (ML18026A637)

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- C. Letter dated May 21, 2019 (ML19142A404)
- D. Letter dated July 16, 2019 (ML19197A288)
- E. Letter dated September 16, 2019 (ML19273B385)
- F. Letter dated November 12, 2019 (ML19318G971)
- G. Letter dated February 13, 2020 (ML20049H205)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: MAR 04 2020By: Frank P. D. Tran
Frank P. D. Tran
Region 3