

**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. General Dynamics Land Systems  2. 1161 Buckeye Rd. Lima, OH 45804		In accordance with application dated June 12, 2024,  3. License No.: SUB-1564 is renewed in its entirety to read as follows:	4. Expiration Date: December 31, 2039  5. Docket No.: 040-09029 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 (encased in stainless steel,)  B. Contamination (contained in depleted uranium metal encased in stainless steel,)	8. Maximum amount that licensee may possess at any one time under this license  A. As Needed  B. Not to exceed 100 picocuries per gram for each transuranic and not to exceed a total of 500 picocuries per gram for all transuranics	9. Authorized use  A. For installation of new depleted uranium heavy armor packages to M1 Abrams tank system turrets and ballistic targets and for display, demonstration, maintenance and nondestructive operational testing. For removal and packaging for authorized transfer/disposal of intact (encased in stainless steel) depleted uranium heavy armor packages from M1 Abrams Tank Systems turrets.  B. For possession incident to acquiring, using and storing licensed material listed in Subitem 6.A.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License No.: SUB-1564

Docket or Reference No.:

040-09029

Amendment No. 10

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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. Contamination (contained in depleted uranium metal encased in stainless steel,)   | C. Not to exceed 500 picocuries per gram  | C. For possession incident to acquiring, using and storing licensed material listed in Subitem 6.A.  |
| D. Uranium- depleted in Uranium-235                   | D. Metal (as battle damaged components (stainless steel encasement no longer intact) and related depleted uranium contamination (including contamination from depleted uranium munitions) of M1 Abrams Tanks and other Combat Land Systems,) | D. As Needed  | D. For repair and/or decontamination of battle damaged M1 Abrams Tanks (including removal of non-intact depleted uranium heavy armor packages from M1 Tank Systems turrets) and other Combat Land Systems, and packaging for authorized transfer/disposal of the non-intact, bulk depleted uranium and associated waste materials, contaminated with depleted uranium. |
| E. Transuranic Elements                               | E. Contamination (contained in depleted uranium metal as battle damaged components and related depleted uranium contamination (including contamination from depleted uranium munitions) of M1 Abrams Tanks and other Combat Land Systems,)   | E. Not to exceed 100 picocuries per gram for each transuranic and not to exceed a total of 500 picocuries per gram for all transuranics | E. For possession incident to acquiring, using and storing licensed material listed in Subitem 6.D.  |
| F. Technetium-99                                      | F. Contamination (contained in depleted uranium metal encased in stainless steel,)   | F. Not to exceed 500 picocuries per gram  | F. For possession incident to acquiring, using and storing licensed material listed in Subitem 6.D.  |

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040-09029**CONDITIONS**

10. A. Licensed material may be used or stored only at the licensee's facilities located at:
- A. General Dynamics Land Systems, Joint Systems Manufacturing Center, 1161 Buckeye Rd., Lima, Ohio, 45804
  - B. General Dynamics Land Systems, Central Office, 38500 Mound Rd., Sterling Heights, Michigan, 48310
  - C. General Dynamics Land Systems, Logistics & Engineering Center, 6000 E 17 Mile Rd., Sterling Heights, Michigan, 48078
  - D. General Dynamics Land Systems, General Motors Proving Grounds, General Motors Rd., Military Bldg. 12, Milford, Michigan, 48380
- B. Licensed material may be used as described in Item 3.C. of the letter dated December 2, 2024, at temporary job sites of the licensee 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 should be obtained from the appropriate state regulatory agency.
11. Licensed material shall only be used by, or under the supervision of, Bradley M. Gemlick.
12. The Radiation Safety Officer (RSO) for this license is Bradley M. Gemlick.
13. The licensee shall not use the licensed material in or on humans.
14. 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 sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 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.

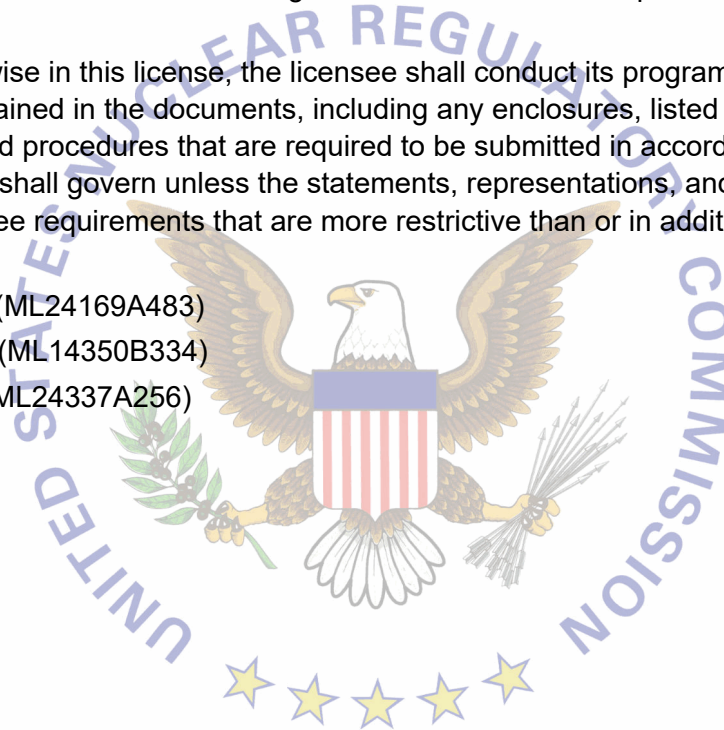
**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License No.: SUB-1564

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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 in 10 CFR 40.36(b) for which decommissioning financial assurance is required.
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 statements, representations, and 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 impose on the licensee requirements that are more restrictive than or in addition to the regulations.
- A. Application dated June 12, 2024 (ML24169A483)
  - B. Letter dated December 16, 2014 (ML14350B334)
  - C. Letter dated December 2, 2024 (ML24337A256)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: December 10, 2024By: \_\_\_\_\_  
Sara A. Forster  
Region 3