

**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. Department of the Army Armament Research, Development and Engineering Center (ARDEC)  2. RDAR-D Building 93 Picatinny Arsenal, NJ 07806-5000	In accordance with the letter dated November 06, 2018,	4. Expiration Date: November 30, 2021
	3. License number: SUB-348 is amended in its entirety to read as follows:	5. Docket No.: 040-06377 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. Uranium- depleted in Uranium-235	A. Any	A. 11000 kilograms total	A. Research and development as defined in 10 CFR 30.4.
B. Uranium	B. Any	B. 100 kilograms total	B. Research and development as defined in 10 CFR 30.4.
C. Thorium	C. Any	C. 20 kilograms total	C. Research and development as defined in 10 CFR 30.4.

**CONDITIONS**

- 10. Licensed material may be used or stored only at the licensee's facilities located at Picatinny Arsenal, New Jersey.
- 11. A. Licensed material shall only be used by, or under the supervision of, individuals designated, in writing, by the Radiation Safety Committee. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
SUB-348

Amendment No. 36

Docket or Reference Number  
040-06377

B. The Radiation Safety Officer (RSO) for this license is Malgorzata Kouretas.

12. 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 June 22, 2011 (ML111800468)
- B. Letter dated October 19, 2011 (ML112930069)
- C. Letters dated July 23, 2013, July 10, 2014, and July 9, 2015 (ML14078A564, ML14205A271, ML15222A258)
- D. Letter dated May 3, 2018 (ML 18128A087)
- E. Letter dated May 14, 2018 (ML18149A071)
- F. Letter dated June 5, 2018 (ML 18156A323)
- G. Letter dated November 6, 2018 (ML18312A387)
- H. Letter dated December 21, 2018 (ML18360A149)

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: January 2, 2019By: Dennis Lawyer  
Region 1