

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 31

**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;"><b>Licensee</b></p> <p>1. Department of the Army Headquarters, U.S. Army Joint Munitions Command</p>	<p>In accordance with application dated September 27, 2017,</p>	<p>4. Expiration Date: March 31, 2033</p>
<p>2. Safety &amp; Risk Management Directorate (AMSJM-SF) 2695 Rodman Avenue Rock Island, IL 61299-6000</p>	<p>3. License No.: 12-00722-07 is renewed in its entirety to read as follows:</p>	<p>5. Docket No.: 030-14796 Reference No.:</p>

<p>6. Byproduct, source, and/or special nuclear material</p>	<p>7. Chemical and/or physical form</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p>	<p>9. Authorized use</p>
<p>A. Promethium-147</p>	<p>A. Radioactive material as ceramic microspheres (3M Company) sealed in sights of military rocket weapons systems.</p>	<p>A. 3 millicuries per source and 1000 curies total</p>	<p>A. For receipt, possession, storage, or transfer to authorized recipients within the Department of Defense, and for use in the sighting mechanism of military rocket systems.</p>

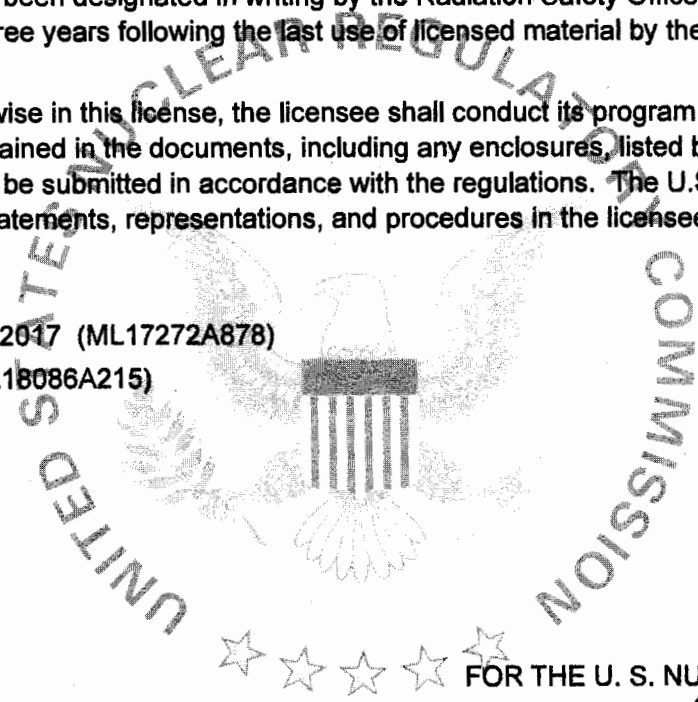
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CONDITIONS  
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10. Licensed material may be used anywhere in the United States.
11. A. The Radiation Safety Officer (RSO) for this license is Michael F. Kurth.
- B. The Alternate RSO for this license is Gary W. Buckrop.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License No.  
12-00722-07Docket or Reference No.  
030-14796

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12. Licensed material shall only be used by, or under the supervision of, individuals who have received the training described in the application dated September 27, 2017, and have been designated in writing by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for three years following the last use of licensed material by the individual.
13. 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 27, 2017 (ML17272A878)
- B. Letter dated March 22, 2018 (ML18086A215)



FOR THE U. S. NUCLEAR REGULATORY COMMISSION

Date: MAR 28 2018

By: \_\_\_\_\_

Bryan A. Parker  
Region III