

U.S. NUCLEAR REGULATORY COMMISSION

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, 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.

<p style="text-align: center;">Licensee</p> <p>1. Lockheed Martin Corporation Missiles & Fire Control</p> <p>2. 5600 Sand Lake Road Legal Dept. MP-186 Orlando, Florida 32819 - 8907</p>	<p>In accordance with the application dated November 24, 2014,</p> <p>3. License number 09-30973-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date February 28, 2025</p> <hr/> <p>5. Docket No. 030-36719 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Americium 241</p> <p>B. Americium 241</p>	<p>7. Chemical and/or physical form</p> <p>A. Plated Foils (QSA, Inc. (formerly Amersham Corporation) Models AMM and AMM.1001H; and Isotope Products Labs Model AP Series)</p> <p>B. Plated Foils (QSA Inc. Model AMM.1001H)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 5 microcuries per source and 3,500 microcuries total (700 sources)</p> <p>B. 6 microcuries per source, 1.2 millicuries per location, and 4.8 millicuries total</p>
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9. Authorized use:
- A. Research and development as defined in 10 CFR 30.4, and possession, use, storage, development and demonstration of laser target designators.
 - B. Used as static eliminators in the Modernized Target Acquisition Designation Sight & Pilot Night Vision System (M-TADS/PNVS) Modernized Laser Range Finder Designator (M-LRFD), a Laser Target Designator/Ranger (LTD/R) Series targeting system.

CONDITIONS

- 10. Licensed material may be used or stored at the licensee's facilities located at Fort Hood Depot, Hood Army Airfield Building 7055, Fort Hood, Texas; Advantage Avenue Building 13, Chambersburg, Pennsylvania; Fort Rucker CSSA, 1326 Quartermaster Road, Fort Rucker, Alabama; PBL Blacksheep Run Building 7225, Campbell Army Airfield, Fort Campbell, Kentucky and may be used 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

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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. The Radiation Safety Officer for this license is Olivia Rodriguez.
12. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in application dated November 24, 2014, and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. Maintenance, repair, cleaning, replacement, and disposal of foil sources shall be performed only by the device manufacturer or other persons specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 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.
16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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17. 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. Application dated November, 2014 (ML14345A944)
 - B. Letter dated February 5, 2015



For the U.S. Nuclear Regulatory Commission

Date February 19, 2015

By *Original signed by John Miller*
 John Miller
 Commercial, Industrial, R&D and Academic Branch
 Division of Nuclear Materials Safety
 Region I
 King of Prussia, Pennsylvania 19406